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OM nucleic - nucleic search, using sw model

Run on: November 4, 2004, 18:05:13 ; Search time 267 Seconds  
(without alignments)  
6551.504 Million cell updates/sec

Title: US-08-599-974E-9

Perfect score: 2461

Sequence: 1 gaggaatcgttctgcaatc.....ctgacttttcattgtaggtag 2461

Scoring table: IDENTITY NUC

Gapop 10\_0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:\*

1: /cgn2\_6/ptodata/1/ina/5A-COMB.seq:\*

2: /cgn2\_6/ptodata/1/ina/5B-COMB.seq:\*

3: /cgn2\_6/ptodata/1/ina/6A-COMB.seq:\*

4: /cgn2\_6/ptodata/1/ina/6B-COMB.seq:\*

5: /cgn2\_6/ptodata/1/ina/PCTUS-COMB.seq:\*

6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2433.4	98.9	3097	2	US-08-599-455B-1
2	2433.4	98.9	3097	3	US-09-069-781B-1
3	2433.4	98.9	3097	3	US-09-137-132-1
4	2433.4	98.9	3097	3	US-08-864-564A-1
5	2433.4	98.9	3097	4	US-09-094-410-1
6	2433.4	98.9	3097	4	US-08-708-123D-1
7	2433.4	98.9	3097	4	US-08-583-153A-1
8	2433.4	98.9	3097	4	US-08-570-142D-1
9	2433.4	98.9	3097	4	US-08-638-524B-1
10	2433.4	98.9	3854	2	US-08-599-455B-42
11	2433.4	98.9	3854	3	US-09-069-781B-42
12	2433.4	98.9	3854	3	US-09-137-132-42
13	2433.4	98.9	3854	3	US-08-864-564A-42
14	2433.4	98.9	3854	4	US-09-094-410-42
15	2433.4	98.9	3854	4	US-08-708-123D-42
16	2433.4	98.9	3854	4	US-08-638-524B-42
17	2364.6	95.1	2868	4	US-08-780-562-8
18	2163.4	87.9	3495	3	US-08-827-962-17
19	2163.4	87.9	3650	3	US-08-837-635-5
20	2163.4	87.9	3650	3	US-08-803-346-2
21	2161.8	87.8	3650	3	US-08-837-635-7
22	2160.2	87.8	3650	3	US-08-827-962-16
23	1692.2	68.8	3102	4	US-08-780-562-6
24	1692.2	68.8	3629	3	US-08-837-635-6
25	1692.2	68.8	3800	4	US-09-023-655-885
26	1692.2	68.8	3871	2	US-08-599-455B-3
27	1692.2	68.8	3871	3	US-09-069-781B-3

28 1692.2 68.8 3871 3 US-09-137-132-3 Sequence 3, Appli

29 1692.2 68.8 3871 4 US-09-094-410-3 Sequence 3, Appli

30 1692.2 68.8 3871 4 US-08-708-123D-3 Sequence 3, Appli

31 1692.2 68.8 3871 4 US-08-583-153A-3 Sequence 3, Appli

32 1692.2 68.8 3871 4 US-08-570-142D-3 Sequence 3, Appli

33 1692.2 68.8 3871 4 US-08-638-524B-3 Sequence 3, Appli

34 1692.2 68.8 4102 4 US-08-780-562-1 Sequence 1, Appli

35 1691 68.7 3004 4 US-08-780-562-5 Sequence 5, Appli

36 1690.8 68.7 2877 2 US-08-693-697-35 Sequence 35, Appli

37 1690.8 68.7 2880 2 US-08-693-697-32 Sequence 32, Appli

38 1690.8 68.7 2991 1 US-08-355-888A-6 Sequence 6, Appli

39 1690.8 68.7 2991 2 US-08-588-190-1 Sequence 1, Appli

40 1690.8 68.7 2991 2 US-08-693-697-6 Sequence 6, Appli

41 1690.8 68.7 2991 2 US-08-640-389A-1 Sequence 1, Appli

42 1690.8 68.7 2991 3 US-08-693-696-6 Sequence 6, Appli

43 1690.8 68.7 2991 3 US-08-618-957A-1 Sequence 1, Appli

44 1690.8 68.7 2991 4 US-09-357-914-6 Sequence 6, Appli

45 1688.2 68.6 2415 4 US-09-116-676-9 Sequence 9, Appli

#### ALIGNMENTS

#### RESULT 1

US-08-599-455B-1

; Sequence 1, Application US/08599455B

; Patent No. 5972621

; GENERAL INFORMATION:

; APPLICANT: Tartaglia, Louis A.

; APPLICANT: Tepper, Robert I.

; APPLICANT: Culpepper, Janice A.

; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT

; TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR

; NUMBER OF SEQUENCES: 44

; CORRESPONDENCE ADDRESS:

; ADDRESS: Fish & Richardson, P.C.

; STREET: 225 Franklin Street

; CITY: Boston

; STATE: MA

; COUNTRY: US

; ZIP: 02110-2804

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows95

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/599,455B

; FILING DATE: 22-JAN-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/583,153

; FILING DATE: 28-DEC-1995

; APPLICATION NUMBER: 08/570,142

; FILING DATE: 11-DEC-1995

; APPLICATION NUMBER: 08/569,485

; FILING DATE: 08-DEC-1995

; APPLICATION NUMBER: 08/566,622

; FILING DATE: 04-DEC-1995

; APPLICATION NUMBER: 08/562,663

; FILING DATE: 27-NOV-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Meiklejohn, Ph.D., Anita L.

; REGISTRATION NUMBER: 35,283

; REFERENCE/DOCKET NUMBER: 07334/017001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-542-5070

; TELEFAX: 617-542-8906

; TELEX: 200154

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3097 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear									
; MOLECULE TYPE: cDNA									
; FEATURE:									
; NAME/KEY: Coding Sequence									
; LOCATION: 61...2742									
US-08-599-455B-1									
Query Match 98.9%; Score 2433.4; DB 2; Length 3097;									
Best Local Similarity 99.8%; Pred. No. 0;									
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;									
Qy	1	GAGGAATCGTTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAATT	60						
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Qy	61	CTATGTGGTTTTGTTACACTGGGAATTTCTTTATGTGATAGCTGCACATTAACTTCGGCATA	120						
Db	78	CTATGTGGTTTTGTTACACTGGGAATTTCTTTATGTGATAGCTGCACATTAACTTCGGCATA	137						
Qy	121	TCCAAATCTCTCCCTGGAAATTTAAGTTGTTTTGTGGACCACCGAACCAACCGATGACTC	180						
Db	138	TCCAAATCTCTCCCTGGAAATTTAAGTTGTTTTGTGGACCACCGAACCAACCGATGACTC	197						
Qy	181	CTTTCTCTCACCTGCTGGAGCCCCAAACAAATGCGCTTCGGCTTTGAAGGGGGCTTCTGAAGC	240						
Db	198	CTTTCTCTCACCTGCTGGAGCCCCAAACAAATGCGCTTCGGCTTTGAAGGGGGCTTCTGAAGC	257						
Qy	241	AATTGTTGAAGCTAAATTTAATTCAAGTGGTATCTACGTTTCCCTGAGTTATCCAAAAACAGT	300						
Db	258	AATTGTTGAAGCTAAATTTAATTCAAGTGGTATCTACGTTTCCCTGAGTTATCCAAAAACAGT	317						
Qy	301	CTTCCCACTGTGCTTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACCTCAACAGCAACAC	360						
Db	318	CTTCCCACTGTGCTTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACCTCAACAGCAACAC	377						
Qy	361	TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTTCCCGACGCTAGGTGTAAA	420						
Db	378	TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTTCCCGACGCTAGGTGTAAA	437						
Qy	421	CTGGGACATAGAGTCTGGATCAAGGGGACCTTGACATATTTCATCTGTGCATATGGAGCC	480						
Db	438	CTGGGACATAGAGTCTGGATCAAGGGGACCTTGACATATTTCATCTGTGCATATGGAGCC	497						
Qy	481	ATTACCTAAGAACCCCTTCAAGAAATTATGACTCTAAGGTCCTATTTTATATGATCTGCC	540						
Db	498	ATTACCTAAGAACCCCTTCAAGAAATTATGACTCTAAGGTCCTATTTTATATGATCTGCC	557						
Qy	541	TGAAGTCATAGATGATTCGCCCTCTGCCCCCACTGAAAGACAGCTTTCAGACTGTCCTAATG	600						
Db	558	TGAAGTCATAGATGATTCGCCCTCTGCCCCCACTGAAAGACAGCTTTCAGACTGTCCTAATG	617						
Qy	601	CAACTCGACTCTCGGGGATGTGAATGTCAATGTGCGGCTACCGAGCCCAACTCAACTA	660						
Db	618	CAACTCGACTCTCGGGGATGTGAATGTCAATGTGCGGCTACCGAGCCCAACTCAACTA	677						
Qy	661	CGCTCTTCTGATGATATTTGGAATCACATCTGCGGCTGTGAGTTTTCAGTCACCTCTGAT	720						
Db	678	CGCTCTTCTGATGATATTTGGAATCACATCTGCGGCTGTGAGTTTTCAGTCACCTCTGAT	737						
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Db	738	GTCACTGCAAGCCCATGCTTGTGTTGTGAAACCCGATCCACCTTAGGTTTGGCATATGGAAGT	797						
Qy	781	CACAGATGATGTTAATTTAAGATTTCTTGGACAGCCAAACAAATGSCACCAATTCGCT	840						
Db	798	CACAGATGATGTTAATTTAAGATTTCTTGGACAGCCAAACAAATGSCACCAATTCGCT	857						
Qy	841	TCAATATCAGGTGMAATATTTAGAAATTTCTACAAATGTTAAGAGAGGCTGCTGAAATTTGT	900						
Db	858	TCAATATCAGGTGMAATATTTAGAAATTTCTACAAATGTTAAGAGAGGCTGCTGAAATTTGT	917						
Qy	901	CTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCCCTGGATCTTTCATATGAGGTCACAGGT	960						

Qy	2041	GAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCACAA	2100
Db	2058	GAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGTGAAGCATCGTACTGCCACAA	2117
Qy	2101	TGGGACGTGTCAGAAAGATCGGGAAATCGGACCAATCTCACATTCTCTGTGGACAGAAC	2160
Db	2118	TGGGACGTGTCAGAAAGATCGGGAAATCGGACCAATCTCACTTCTCTGTGGACAGAAC	2177
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Db	2178	AGCGCACACTGTTACAGTCTCGGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTAA	2237
Qy	2221	CCTTACCTTCTCATGGCCCATGAGTAAGTGAGTGTCTGTGGAGTCACCTCAGTGCTTATCC	2280
Db	2238	CCTTACCTTCTCATGGCCCATGAGTAAGTGAGTGTCTGTGGAGTCACCTCAGTGCTTATCC	2297
Qy	2281	CCTGAGCAGCAGCTGTGTCACTCTTCTCGGACACTGTCTCACCTGATGATTATAGTCTGTT	2340
Db	2298	CCTGAGCAGCAGCTGTGTCACTCTTCTCGGACACTGTCTCACCTGATGATTATAGTCTGTT	2357
Qy	2341	ATATCTGGTTATTGAATGGAAGATCCTTAATGAAGATGATGGAATGAAGTGGCTTTGAAT	2400
Db	2358	ATATCTGGTTATTGAATGGAAGATCCTTAATGAAGATGATGGAATGAAGTGGCTTTGAAT	2417
Qy	2401	TCCTCGAATGTTAAAAAGTTTTATATCCACGGTATGTGTACT	2443
Db	2418	TCCTCGAATGTTAAAAAGTTTTATATCCACGATAATTTTATT	2460

## RESULT 2

US-09-069-781B-1  
; Sequence 1, Application US/09069781B  
; Patent No. 6287782  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/069,781B  
; FILING DATE: 29-APRIL-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/864,564  
; FILING DATE: 26-MAY-1997  
; APPLICATION NUMBER: US 08/708,123  
; FILING DATE: 03-SEP-1996  
; APPLICATION NUMBER: US 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: US 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: US 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: US 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: US 08/569,485  
; FILING DATE: 08-DEC-1995

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Db      |||||CGCTCTTCGATGTTATTTGGAAATCACATCTGCGCGTGTGAGTTTTCAGTCACTCTGAT 737
QY      |||||GTCACGACGCCATGCTTTGTGTGAAACCCGATCCACCCTTAGTGTTCATATGAAAGT 780
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QY      |||||CACAGATGATGTTAAATTTAAAGATTTCTTGGGACAGCCAAACAATGGGACCAATTTCCGCT 840
Db      |||||CACAGATGATGTTAAATTTAAAGATTTCTTGGGACAGCCAAACAATGGGACCAATTTCCGCT 857
QY      |||||TCAATATCAGGTGAAATATTAGAGAAATCTACAATTTGTAAGAGAGGCTGCTGAAATTTGT 900
Db      |||||TCAATATCAGGTGAAATATTAGAGAAATCTACAATTTGTAAGAGAGGCTGCTGAAATTTGT 917
QY      |||||CTCAGCTACATCTCTGCTCGGTAGACAGATGCTGTTCTCTGGATCTTCATATGAGGTCCAGGT 960
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QY      |||||GAGGACAGAGACTGGATGGTTCCAGGATCTGGAGTGACTGGAGTTCACTCAAGTCTT 1020
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QY      |||||TACCACACAAGATGTTGTGATTTTCCACCACCAAAATTTCTGACTAGTGTGGATCGAAATGC 1080
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Db      |||||TTCTTTTCATTCGATCTACAAAACGAAACACAGATTAATCTCTCCTCAAAAACAGATAGTTTG 1157
QY      |||||GTGGAGGAATCTAGCTGAGAAAATCCCTGAGATACAGTACAGCATTTGTGAGTGACCGAGT 1200
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Db      |||||TAGCAAAGTTACTCTTCCAACTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGA 1277
QY      |||||CGCAGTGTAATGCTGCAATGAGCAGCGCTGCCATCACCGCTATGCTGAAATATACGTGAT 1320
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QY      |||||CGATGTCATATCAATATATCATGTGAAACTGACGGTACTTAACTTAAATCACTTGCGAG 1380
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QY      |||||ATGGTCACCCAGCACCAATCCAATCACTAGTGGGAAGCACTGTGCAGCTGAGGTATCACAG 1440
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Db      |||||CGTCTTACAGAGAGCGGCTTTTATGAATGTGTTTTCCAGCCAATCTTTCTATTATCTGG 1577
QY      |||||CTATACAAATGTGGATCAGGATCAACCATTTCTTAGGTTCACTTGCTGCCCAACCAAGCTG 1620
Db      |||||CTATACAAATGTGGATCAGGATCAACCATTTCTTAGGTTCACTTGCTGCCCAACCAAGCTG 1637
QY      |||||TGTCTCTCTGACTCGGTAGTAAACCACTA CTTCCATCTAAACGTAAGAGAGAGATTAC 1680
Db      |||||TGTCTCTCTGACTCGGTAGTAAACCACTA CTTCCATCTAAACGTAAGAGAGAGATTAC 1697
QY      |||||TGTAAACACTGGATTTTAAAGATATCTTGGGAAGCCAGTCTTTCCGGGAATAACCT 1740
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Db      |||||TCAAATTCAGATTCGATATGGCTTAAAGTGGAAAAAGAAATACAAATGGAAGACACATGAGGT 1758
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Db      |||||ATTCGATCCAAAGTCAAAGTCTGCCAGCCTGCTGGTGTTCAGACCTCTCTGCAAGTCTATGT 1877
QY      |||||GTCACAGGTTCGCTGCGCGGTTGGATGGACTAGGATATTGGAGTAATTGGAGCAGTCC 1920
Db      |||||GTCACAGGTTCGCTGCGCGGTTGGATGGACTAGGATATTGGAGTAATTGGAGCAGTCC 1937
QY      |||||AGCCTATACGCTTGTCAATGATGTAAAAAGTTCCTATGAGAGGCGCTGAAATTTGGAGAAA 1980
Db      |||||AGCCTATACGCTTGTCAATGATGTAAAAAGTTCCTATGAGAGGCGCTGAAATTTGGAGAAA 1997
QY      |||||AATGATGGGACGTTTACTAAAAAGGAGAGAAAATGTCACCTTGCTTTGGAAGCCCTTGAC 2040
Db      |||||AATGATGGGACGTTTACTAAAAAGGAGAGAAAATGTCACCTTGCTTTGGAAGCCCTTGAC 2057
QY      |||||GAAAAATCACTCACTGCTAGTGTGAGGAGGTACGTGCTGAAGCATCGTACTGCCCCACAA 2100
Db      |||||GAAAAATCACTCACTGCTAGTGTGAGGAGGTACGTGCTGAAGCATCGTACTGCCCCACAA 2117
QY      |||||TGGGACGTTGTCAGAAAGATGTGGGAAATCGGACCAATCTCACTTTCTCTGTGGACAGAAC 2160
Db      |||||TGGGACGTTGTCAGAAAGATGTGGGAAATCGGACCAATCTCACTTTCTCTGTGGACAGAAC 2177
QY      |||||AGCGCACACTGTTACAGTTCTGGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTTAA 2220
Db      |||||AGCGCACACTGTTACAGTTCTGGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTTAA 2237
QY      |||||CCTTACCTTCTCATGCCCCATGAGTAAAGTGAAGTGAAGTCACTCAGTCAGTCTTATCC 2280
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Db      |||||CCTGACGACGAGCTGTGTCACTCTTCTCTGGACACTGTGCACCTGATGATATAGTCTGTT 2357
QY      |||||ATATCTGTTATTGAATGGAAGATCTTAAATGAAGATGATGGAATGAAGTGGCTTAGAAT 2400
Db      |||||ATATCTGTTATTGAATGGAAGATCTTAAATGAAGATGATGGAATGAAGTGGCTTAGAAT 2417
QY      |||||TCCCTCGAATGTTAAAAAGTTTATATCCACGATATGTGACT 2443
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## RESULT 3

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US-09-137-132-1
; Sequence 1, Application US/09137132
; Patent No. 6380363
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/09/137,132  
 FILING DATE: 18-AUG-1998  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/864,564  
 FILING DATE: 28-MAY-1997  
 APPLICATION NUMBER: 08/708,123  
 FILING DATE: 03-SEP-1996  
 APPLICATION NUMBER: 08/638,524  
 FILING DATE: 26-APR-1996  
 APPLICATION NUMBER: 08/599,455  
 FILING DATE: 22-JAN-1996  
 APPLICATION NUMBER: 08/583,153  
 FILING DATE: 28-DEC-1995  
 APPLICATION NUMBER: 08/570,142  
 FILING DATE: 11-DEC-1995  
 APPLICATION NUMBER: 08/569,485  
 FILING DATE: 08-DEC-1995  
 APPLICATION NUMBER: 08/566,622  
 FILING DATE: 04-DEC-1995  
 APPLICATION NUMBER: 08/562,663  
 FILING DATE: 27-NOV-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Melkielejohn, Ph.D., Anita L.  
 REGISTRATION NUMBER: 35,283  
 REFERENCE/DOCKET NUMBER: 07334/019004  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617-542-5070  
 TELEFAX: 617-542-8906  
 TELEX: 200154  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3097 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: unknown  
 MOLECULE TYPE: cDNA  
 FEATURE:  
 NAME/KEY: Coding Sequence  
 LOCATION: 61...2742  
 US-09-137-132-1

Query Match 98.9%; Score 2433.4; DB 3; Length 3097;  
 Best Local Similarity 99.8%; Pred. No. 0;  
 Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 GAGGAATCGTTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAATT 60  
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 DB 78 CTATGTGGTTTGTACACTGGGAATTTCTTTATGTAGTAGTGCACTTAACTGGCATA 137

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 DB 138 TCCAAATCTCTCCCTGGAAATTTAAAGTTTGTGTGACCAACCGAAACACACCGATGACTC 197

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 DB 198 CTTTCTCTCAGCTGTGGAGCCCAAAACAAATGCTCGGCTTTGAAGGGGGCTTCTGAAGC 257

QY 241 AATTGTTGAAGCTAAATTTAAATCAAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT 300  
 DB 258 AATTGTTGAAGCTAAATTTAAATCAAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT 317

QY 301 CTTTCACTGTGTGTTGGGAATGAGCAAGGTCAAAATCTGCTGTGCACTCACAGACAAACAC 360  
 DB 318 CTTTCACTGTGTGTTGGGAATGAGCAAGGTCAAAATCTGCTGTGCACTCACAGACAAACAC 377

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 DB 378 TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTCGCCAGCTAGGTGTAA 437

QY 421 CTGGGACATAGAGTCTGGATGAAAGGGGACTTGACATTTATTCATCTGTCTATATGAGGCC 480  
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QY 481 ATTACCTAAGAACCCCTTCAAGAAATATGACTCTAAGGTCCATCTTTTATATGATCTGCC 540  
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QY 601 CAACTGCAGTCTTTCGGGGATGTGAATGTATGTGCGCGGTACCCAGAGCCAAACTCAACTA 660  
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QY 661 CGCTCTTCTGATGTATTTGGAAATCACAATCTGCGCGGTGTAGTTTTCAGTCACTCTGAT 720  
 DB 678 CGCTCTTCTGATGTATTTGGAAATCACAATCTGCGCGGTGTAGTTTTCAGTCACTCTGAT 737

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 DB 858 TCAATATCAGGTGAAATATTTAGAGAATTTCTAATTTGTAGAGAGGCTGCTGAAATTTGT 917

QY 901 CTCAGCTACATCTCTGCTGTGTAGACAGTGTCTTCTCGATCTTCTATGAGGTCCAGGT 960  
 DB 918 CTCAGCTACATCTCTGCTGTGTAGACAGTGTCTTCTCGATCTTCTATGAGGTCCAGGT 977

QY 961 GAGGACGAGAGACTGGATGGTTTCAGAGAGTCTGGAGTGACTGGAGTTCACTTCAAGTCTTT 1020  
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QY 1081 TTTCTTTTCATTCATCTACAAAACGAAAACGAAATTTCTCTCAAAACAGATAGTTTG 1140  
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QY 1201 TAGCAAAAGTACCTTCTCCAACTGAAAGCCACAGACCTCGAGGGAAATTTACCTATGA 1260  
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 DB 1338 CGATGTCATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAATGACTTGCAG 1397

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241 QY AATTGTTGAAGCTAAATTTAAATTCAGTGGTATCTACGTTCTCGAGTTATCAAAACAGT 300  
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318 DB CTTCCACTGTTGCTTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACTCACAGACAACAC 377  
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421 QY CTGGGACATAGAGTGTGATGAAGGGGACCTTGACATTATTCATCTGTCATATGGAGCC 480  
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481 QY ATTACCTAAGAACCCCTTCAAGAAATATGACTCTAAGGTCCATCTTTTATATGATCTGCC 540  
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558 DB TGAAGTCAATAGATGATTCGCTCTGCCCTTCCCTGCTGAAAGACAGCTTTCAGACTGTCCAATG 617  
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618 DB CAACTGCAGTCTTCGGGGATGTAATGTGATGTCGCGGTACCGAGGCCAAACTCAACTA 677  
661 QY CGCTCTTCTGATGATTTTGGAAATCACATCTGCGGTGAGTTTTCAGTCACTCTGAT 720  
678 DB CGCTCTTCTGATGATTTTGGAAATCACATCTGCGGTGAGTTTTCAGTCACTCTGAT 737  
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738 DB GTCACCTGCAGCCCATCTTGTGTGAAACCCTGATCCACCTTAGTGTTCATATGGAAGT 797  
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798 DB CACAGATGATGTAATTTAAAGATTTCTTGGGACAGCCAAACAATGGGACCAATTCCTCGCT 857  
841 QY TCAATATCAGGTGAATATTTAGAGAAATCTCAATTTGAAGAGGCTGCTGAAATGCT 900  
858 DB TCAATATCAGGTGAATATTTAGAGAAATCTCAATTTGAAGAGGCTGCTGAAATGCT 917  
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918 DB CTCAGCTACATCTCTGCTGCTGATGACAGTGTGCTTCTGATCTTCTGATGAGGTCCAGGT 977  
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978 DB GAGGAGCAAGACTGGATGGTTTCAGGAGTCTGGAGTGTGAGTGTGAGTGTGAGTGTGAGT 1037  
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1158 DB GTGGAGGAATCTAGCTGAGAAATCCCTGAGTACAGTACAGTACAGTACAGTACAGTACAGT 1217  
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1441 QY GGGCAGCTGTATTGCTGCTGATGATTCATCTATTCTCTAGCTGTGAGCCCAAAACTG 1500  
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1518 DB CGTCTTACAGAGAGACGGCTTTTATGAATGTGTTTTCCAGCCCAATCTTCTATTATCTGG 1577  
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1578 DB CTATACAATGTGGATCAGGATCAACCAATCTTTTAGTTCACCTTGACTCGCCACCAACGTG 1637  
1621 QY TGTCTTCTGACTCGGTAGTAAACCACTACTCTCCATCTAACGTAAGAGAGATTAAC 1680  
1638 DB TGTCTTCTGACTCGGTAGTAAACCACTACTCTCCATCTAACGTAAGAGAGATTAAC 1697  
1681 QY TGTAAACACTGGATTTTGAAGTATCTTGGGAAAGCCAGTCTTTCGGAGATAACCT 1740  
1698 DB TGTAAACACTGGATTTTGAAGTATCTTGGGAAAGCCAGTCTTTCGGAGATAACCT 1757  
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1758 DB TCAATTTCCAGATTCGATATGCTTAAAGTGGAAAGAAATCAATGGAAGACACATGAGGT 1817  
1801 QY ATTCGATCAAAAGTCAAAAGTCTGCCAGCTGCTGGTGTGAGACCTCTGTGAGTCTATGT 1860  
1818 DB ATTCGATCAAAAGTCAAAAGTCTGCCAGCTGCTGGTGTGAGACCTCTGTGAGTCTATGT 1877  
1861 QY GGTCCAGGTTCCGTCGCGCGGTTGGATGGAGTATGGAGTAATGGAGCAGTCC 1920  
1878 DB GGTCCAGGTTCCGTCGCGCGGTTGGATGGAGTATGGAGTAATGGAGCAGTCC 1937  
1921 QY AGCTATACGCTTGTGATGGAATGTAAAGATTCCTATGAGAGGCTGAAATTTGAGAAA 1980  
1938 DB AGCTATACGCTTGTGATGGAATGTAAAGATTCCTATGAGAGGCTGAAATTTGAGAAA 1997  
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1998 DB AATGGATCGGACGTTACTTAAAGAGAGAGAAATGTCACTTGTGGAAAGCCCTGAC 2057  
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2058 DB GAAAAATGACTCCTGCTGATGAGGAGTACGTGGTGAAGCATCGTACTGCCCAAA 2117  
2101 QY TGGGACGTTGTCAGAGATGTGGGAAATCGGACCAATCTCACTTCTCTGTGAGACAGAAC 2160  
2118 DB TGGGACGTTGTCAGAGATGTGGGAAATCGGACCAATCTCACTTCTCTGTGAGACAGAAC 2177  
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2178 DB AGCGCACACTGTGTCAGTTCGGCTGCAATTCCTCGCGCTTCCCTTGTGAATTTTAA 2237  
2221 QY CTTTACCTTCTCATGGCCCATGAGTAAAGTGAAGTGTGAGTCACTCAGTGTCTATCC 2280  
2238 DB CTTTACCTTCTCATGGCCCATGAGTAAAGTGAAGTGTGAGTCACTCAGTGTCTATCC 2297  
2281 QY CTTGAGCAGCAGTGTGTCATCTTCTGAGACCTGTCACCTGATGATTAATGATCTGTT 2340  
2298 DB CTTGAGCAGCAGTGTGTCATCTTCTGAGACCTGTCACCTGATGATTAATGATCTGTT 2357  
2341 QY ATATCTGTTTGAATGGAAGATCTTTAAATGAAGATGATGGAATGAAGTGGCTTAGAAT 2400  
2358 DB ATATCTGTTTGAATGGAAGATCTTTAAATGAAGATGATGGAATGAAGTGGCTTAGAAT 2417



QY 2401 TCCTCGAATGTTAAAAAGTTTATATCCACGATGTGTACT 2443  
Db 2418 TCCTCGAATGTTAAAAAGTTTATATCCACGATAATTTTATT 2460

## RESULT 5

US-09-094-410-1  
; Sequence 1, Application US/09094410  
; Patent No. 6403552  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Cupepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/094,410  
; FILING DATE: 09-JUN-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/864,564  
; FILING DATE: 28-MAY-1997  
; APPLICATION NUMBER: 08/708,123  
; FILING DATE: 03-SEP-1996  
; APPLICATION NUMBER: 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/019003  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3097 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: unknown  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 61...2742  
US-09-094-410-1

Query Match 98.9%; Score 2433.4; DB 4; Length 3097;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
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Db 198 CTTTCTCTCACCTGCTGGAGCCCAAAACAATGCCTTCGGCTTTGAAGGGGGCTTCTGAAGC 257  
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Db 678 CGCTCTCTGATGATTTTGGAAATCACATCTGCGGTGTGAGTTTTCAGTCACTCTGAT 737  
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QY 901 CTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCTCGGATCTTCATATGAGGTCAGGT 960  
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Db	1158	GTGGAGGAATCTAGCTCAGAAAAATCCCTGAGATACAGTACAGCAATGTGTAGTGACCGAGT	1217
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Db	1278	CGCAGTGTACTGTCTGCAATCAGCAGGCGTGCCATCACCGCTATGCTGCAATTTACGTGAT	1337
Qy	1321	CGATGTCAAATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAAATGACTTTCAG	1380
Db	1338	CGATGTCAAATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAAATGACTTTCAG	1397
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Db	1518	CGTCTTACAGAGACGGCTTTTATGAATGTGTTTTCCAGCCCAATCTTTCTATTATCTGG	1577
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Db	1578	CTATACAATGTGGATCAGGATCAACCAATCTTTTAGTGTTCATTTGACCTGCGCCACCAAGT	1637
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Db	1638	TGTCTCTCTGACCTCCGTAGTAAACCACTACCTCCATCTAAACGTAAAAACGAGATTAC	1697
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Db	1698	TGTAAAACTGGATTATTGAAAGTATCTTGGGAAAAGCCAGTCTTTCCGGAGAAATAACCT	1757
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Db	1758	TCAATTCCAGATTCGATATGGCTTAAAGTGGAAAAGAAATCAATGGGAAGACATGAGGT	1817
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Qy	1921	AGCCTATACGTTGTGATGATGATPAAAAGTTTCCTATGAGAGGGCCTGAAATTTGGAGAAA	1980
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Qy	1981	AATGGATGGGGACGTTTACTAAAAAGGAGAGAAATGTCAACCTTGTCTTGGAGCCCTGAC	2040
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Qy	2041	GA AAAATGACTCACTGTGTAGTGTGAGGAGTACGTGTGAAGCATCGTACTGCCACAA	2100
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## RESULT 6

US-08-708-123D-1  
; Sequence 1, Application US/08708123D  
; Patent No. 6482927  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/708,123D  
; FILING DATE: 03-SEP-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/019001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906

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; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 3097 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: unknown
;   MOLECULE TYPE: cDNA
;   FEATURE:
;     NAME/Key: Coding Sequence
;     LOCATION: 61...2742
; US-08-708-123D-1

Query Match      98.9%; Score 2433.4; DB 4; Length 3097;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      1  GAGGAATCGTTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGTCAGAAATTT 60
DB      18  GAGGAATCGTTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGTCAGAAATTT 77
QY      61  CTATGTGGTTTGGTTACATCGGGAATTTCTTTATGTGATGTGCACTTAACTGGCATA 120
DB      78  CTATGTGGTTTGGTTACATCGGGAATTTCTTTATGTGATGTGCACTTAACTGGCATA 137
QY      121  TCCAAATCTCTCCCTGGAAATTTAAAGTTGTTTGTGGACCAACCGNACACAAACCGATGACTC 180
DB      138  TCCAAATCTCTCCCTGGAAATTTAAAGTTGTTTGTGGACCAACCGNACACAAACCGATGACTC 197
QY      181  CTTTCTCTCACCTGCTGGAGCCCAAAACAATGCTCGGCTTTGAAGGGGGCTTCTGAAGC 240
DB      198  CTTTCTCTCACCTGCTGGAGCCCAAAACAATGCTCGGCTTTGAAGGGGGCTTCTGAAGC 257
QY      241  AATGTGTAAGCTAAATTTAAATTTCAAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT 300
DB      258  AATGTGTAAGCTAAATTTAAATTTCAAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT 317
QY      301  CTTTCCACTGTTGTTGGGAATGAGCAAGGTCAAACTGCTCTGCACTCACAGACAACAC 360
DB      318  CTTTCCACTGTTGTTGGGAATGAGCAAGGTCAAACTGCTCTGCACTCACAGACAACAC 377
QY      361  TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTGTTCGCGAGCTAGGTGTAAT 420
DB      378  TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTGTTCGCGAGCTAGGTGTAAT 437
QY      421  CTGGGACATAGAGTGTGATGAAAGGGACCTTGACATTTATTCATCTGTCATATGAGGCC 480
DB      438  CTGGGACATAGAGTGTGATGAAAGGGACCTTGACATTTATTCATCTGTCATATGAGGCC 497
QY      481  ATTACCTTAGAACCCCTTCAAGAAATATGACTCTAAGGTCCATCTTTATATGATCTGCC 540
DB      498  ATTACCTTAGAACCCCTTCAAGAAATATGACTCTAAGGTCCATCTTTATATGATCTGCC 557
QY      541  TGAAGTCATAGATGATTTCCGCTCTGCGCCCACTGAAAGACAGCTTTCAGACTGTCCAATG 600
DB      558  TGAAGTCATAGATGATTTCCGCTCTGCGCCCACTGAAAGACAGCTTTCAGACTGTCCAATG 617
QY      601  CAACTGCAGCTTTCGGGGATGTAATGTCAATGTGCGGTACCCAGAGCCAAACTCAACTA 660
DB      618  CAACTGCAGCTTTCGGGGATGTAATGTCAATGTGCGGTACCCAGAGCCAAACTCAACTA 677
QY      661  CGCTCTTCTGATGTAATTCGGAATCACATCTCGCGGTGTAGTTTTCAGTCACTCTGAT 720
DB      678  CGCTCTTCTGATGTAATTCGGAATCACATCTCGCGGTGTAGTTTTCAGTCACTCTGAT 737
QY      721  GTCAGTCAGCCCATGCTTTGTGTGAAACCCGATCCACCCCTTAGGTGTTGTCATATGGAAGT 780
DB      738  GTCAGTCAGCCCATGCTTTGTGTGAAACCCGATCCACCCCTTAGGTGTTGTCATATGGAAGT 797
QY      781  CACAGATAGTAAATTTAAAGATTTCTGGGACAGCCAAAACAATGGCACCAATTTCCGCT 840
DB      798  CACAGATAGTAAATTTAAAGATTTCTGGGACAGCCAAAACAATGGCACCAATTTCCGCT 857

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858  TCAATATCAGGTGAAATATTTTAGAGAAATTTCTACAAATGTGAAGAGAGGCTGCTGAAATGTT 917
901  CTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCTCTGGATCTTCTATATGAGGTCCAGGT 960
918  CTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCTCTGGATCTTCTATATGAGGTCCAGGT 977
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978  GAGGAGCAAGAGACTGGATGGTTTCAAGAGTCTGGAGTGAAGTGGAGTTCACCTCAAGTCTT 1037
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1141  GTGAGGAATCTAGCTGAGAAAAATCCCTGAGANATCAGTACAGCATTTGAGTGACCGAGT 1200
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1201  TAGCAAGTTACCTTCTCCAACTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGA 1260
1218  TAGCAAGTTACCTTCTCCAACTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGA 1277
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1518  CGTCTTACAGAGAGCGGCTTTTATGAATGTGTTTCCAGCCAACTCTTTCTATTTATCTGG 1577
1561  CTATACAAATGTGGATCAGATCAACCAATTTCTTTAGGTTTCACTTGACTCGCCCAACGCTG 1620
1578  CTATACAAATGTGGATCAGATCAACCAATTTCTTTAGGTTTCACTTGACTCGCCCAACGCTG 1637
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1861  GGTCCAGGTTCCGTCGCCGGCGGTTGGATGGAATAGGATATTTGGAGTAATTTGGAGCAGTCC 1920
1878  GGTCCAGGTTCCGTCGCCGGCGGTTGGATGGAATAGGATATTTGGAGTAATTTGGAGCAGTCC 1937
1921  AGCCTATACGCTTGTGTCATGGATGTAAAAAGTTTCTCTATGAGAGGGCTGTAATTTTGGAGAAA 1980
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1981 AATGGATGGGAGCTTACTAAAGAGAGAAATGTCACCTTGTGGAGCCCTGAC 2040
1998 AATGGATGGGAGCTTACTAAAGAGAGAAATGTCACCTTGTGGAGCCCTGAC 2057
2041 GAAAAATGACTCACTGTGTAGTGTGAGGAGTACGTGGTGAAGCATGCTACTGCCACAA 2100
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2161 AGGACACACTGTTACAGTGTCTGCTCAATTCCTCGGGCTTCCCTTGTGAATTTAA 2220
2178 AGGACACACTGTTACAGTGTCTGCTCAATTCCTCGGGCTTCCCTTGTGAATTTAA 2237
2221 CCTTACTCTCATGCGCCATGATGAAGTGAAGTGTGTGGAGTCACTCAGTCTTATCC 2280
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RESULT 7
US-08-583-153A-1
; Sequence 1, Application US/08583153A
; Patent No. 6506877
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING
; TITLE OF INVENTION: OBESITY AND CACHEXIA
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/583,153A
; FILING DATE: 28-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:

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; NAME: Meiklejohn, Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/016001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3097 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 61...2742
; US-08-583-153A-1

Query Match      98.9%; Score 2433.4; DB 4; Length 3097;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 GAGGAATCGTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAAT 60
DB 18 GAGGAATCGTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAAT 77
QY 61 CTATGTGGTGTGTGTACACTGGGAATTTCTTTATGTGTAGTGTGCACCTTAACTGGCATA 120
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Qy 901 CTGAGCTACATCTCTGCTGATAGACAGTGTCTTCTGGATCTTCAATATGAGGTCCAGGT 960  
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Db 1218 TAGCAAGTTACCTTCTCCAACTGAAGCCACAGACCTCGAGGAAAGTTTACCTATCA 1277  
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Db 1578 CTATACAATGTGGATCAGGATCAACCATTTCTTTAGGTTCACCTGACTGCCACCAACG 1637  
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Db 1818 ATTTCGATGCAAAAGTCAAAAGTCTGCCAGCCTGTGGTGTGAGACCTCTGTGCACTTATGT 1877

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Qy 1921 AGCCTATACGCTTGTTCATGGATGTAAGATTTCTATGAGAGGGCTGAATTTTGAGAAA 1980  
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Qy 2041 GAAAAATGACTCAGTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATGCTACTGCCCAAA 2100  
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## RESULT 8

US-08-570-142D-1

; Sequence 1, Application US/08570142D

; Patent No. 6509189

; GENERAL INFORMATION:

; APPLICANT: Tartaglia, Louis A.

; APPLICANT: Tepper, Robert I.

; APPLICANT: Culpepper, Janice A.

; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE

; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING

; TITLE OF INVENTION: OBESITY AND CACHEXIA

; NUMBER OF SEQUENCES: 6

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish &amp; Richardson, P.C.

; STREET: 225 Franklin Street

; CITY: Boston

; STATE: MA

; COUNTRY: US

; ZIP: 02110-2804

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows95

; SOFTWARE: Fast-Seq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/570,142D

; FILING DATE: 11-DEC-1995

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/569,485

; FILING DATE: 08-DEC-1995

; APPLICATION NUMBER: 08/566,622

/ FILING DATE: 04-DEC-1995  
/ APPLICATION NUMBER: 08/562,663  
/ FILING DATE: 27-NOV-1995  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Meiklejohn, Ph.D., Anita L.  
/ REGISTRATION NUMBER: 35,283  
/ REFERENCE/DOCKET NUMBER: 07334/014001  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 617-542-5070  
/ TELEFAX: 617-542-8906  
/ TELEX: 200154  
/ INFORMATION FOR SEQ ID NO: 1:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 3097 base pairs  
/ TYPE: nucleic acid  
/ STRANDEDNESS: double  
/ TOPOLOGY: unknown  
/ MOLECULE TYPE: cDNA  
/ FEATURE:  
/ NAME/KEY: Coding Sequence  
/ LOCATION: 61...2742  
/ US-08-570-142D-1

Query Match  
Best Local Similarity 98.9%; Score 2433.4; DB 4; Length 3097;  
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY	1	GAGGAATCCTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAATT	60
DB	18	GAGGAATCGTTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAATT	77
QY	61	CTATGTGGTTTGTGTACATCGGAATTTCTTTATGTAGTAGTGCACTTTAACTGSCATA	120
DB	78	CTATGTGGTTTGTGTACATCGGAATTTCTTTATGTAGTAGTGCACTTTAACTGSCATA	137
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DB	318	CTTCCACTGTTGTTGGGAATGAGCAAGGTCAAAATCTGCTCTGCACTCACAGACAAAC	377
QY	361	TGAAGGGAAGACATGGCTTCTAGTAGTGAAGGTTCAAGTTTTCGCGAGCTAGGTGTA	420
DB	378	TGAAGGGAAGACATGGCTTCTAGTAGTGAAGGTTCAAGTTTTCGCGAGCTAGGTGTA	437
QY	421	CTGGGACATAGAGTCTGGAATGAAAGGACATTGACATTATTCATCTGTCATATGAGCC	480
DB	438	CTGGGACATAGAGTCTGGAATGAAAGGACATTGACATTATTCATCTGTCATATGAGCC	497
QY	481	ATTACCTAAGAACCCCTTCAAGAAATATGACATCTAAGGTCCATCTTTTATATGATCTGCC	540
DB	498	ATTACCTAAGAACCCCTTCAAGAAATATGACATCTAAGGTCCATCTTTTATATGATCTGCC	557
QY	541	TGAAGTCATAGATGATTCGCTCTGCCCCCACTGAAGAAGACAGCTTTCAGACTGTCCAATG	600
DB	558	TGAAGTCATAGATGATTCGCTCTGCCCCCACTGAAGAAGACAGCTTTCAGACTGTCCAATG	617
QY	601	CAACTGCAGTCTTCGGGATGTGAATGTATGTGCGGTTACCCAGAGCCAACTCAACTA	660
DB	618	CAACTGCAGTCTTCGGGATGTGAATGTATGTGCGGTTACCCAGAGCCAACTCAACTA	677
QY	661	CGCTCTCTGATGTATTTGGAATCACATCTCCCGGTGTAGTTTTCAGTCACTCTGAT	720

DB	678	CGCTCTCTGATGTATTTGGAAATCACATCTGCCGGTGTAGTTTTTCAGTCACTCTGTAT	737
QY	721	GTCACTGCAGCCATGCTTTGTGAAACCCGATCCACCTTAGGTGTCATATGGAAGT	780
DB	738	GTCACTGCAGCCATGCTTTGTGAAACCCGATCCACCTTAGGTGTCATATGGAAGT	797
QY	781	CACAGATGATGTAATTTAAAGATTTCTTGGGACAGCCAAACAAATGGGACCAATTTCCGCT	840
DB	798	CACAGATGATGTAATTTAAAGATTTCTTGGGACAGCCAAACAAATGGGACCAATTTCCGCT	857
QY	841	TCAATATCAGGTGAAATATTTAGAGAAATCTACAAATTTGTAGAGAGGCTGCTGAAATGT	900
DB	858	TCAATATCAGGTGAAATATTTAGAGAAATTTTACAAATTTGTAGAGAGGCTGCTGAAATGT	917
QY	901	CTCAGCTACATCTCTGCTGTAGACAGGTGCTTCTCTGATCTTCAATATGAGGTCCAGGT	960
DB	918	CTCAGCTACATCTCTGCTGTAGACAGGTGCTTCTCTGATCTTCAATATGAGGTCCAGGT	977
QY	961	GAGGACGAGAGACTGGATGGTTTCCAGGAGTCTGGAGTGACTGGAGTTCACCTCAAGTCTT	1020
DB	978	GAGGACGAGAGACTGGATGGTTTCCAGGAGTCTGGAGTGACTGGAGTTCACCTCAAGTCTT	1037
QY	1021	TACCAACAAGATGTTGTATTTTCCACCCAAAATTTCTGACTAGTGTGGATCGAATGC	1080
DB	1038	TACCAACAAGATGTTGTATTTTCCACCCAAAATTTCTGACTAGTGTGGATCGAATGC	1097
QY	1081	TTCTTTTTCATTCATACAAAAGGAAACGAGATTTATCTCTCAAAACAGATAGTTTG	1140
DB	1098	TTCTTTTTCATTCATACAAAAGGAAACGAGATTTATCTCTCAAAACAGATAGTTTG	1157
QY	1141	GTGAGGAAATCTAGCTGAGAAATCCCTGAGATACAGTACAGCATTTGTGAGTGACCGAGT	1200
DB	1158	GTGAGGAAATCTAGCTGAGAAATCCCTGAGATACAGTACAGCATTTGTGAGTGACCGAGT	1217
QY	1201	TAGCAAGTTACCTTCTCCAACTGAAAGCCACAGACCTCGAGGAAAGTTTACCTATGA	1260
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QY	1321	CGATGCTAATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAATGACTTGCAG	1380
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QY	1441	GGCGAGCCTGTATTTGCTCTGATAGTCCATCTATTCTATCTAGCTCTGAGCCCAAACTG	1500
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DB	1638	TGTCCTTCTGATCTCGGTAGTAAACCACTACCTCCATCTAACGTAAAGCAGAGATTAC	1697
QY	1681	TGTAACAACCTGATTTATGAAGTATCTTGGGAAAGCCAGTCTTTCCGGAGATAAACC	1740
DB	1698	TGTAACAACCTGATTTATGAAGTATCTTGGGAAAGCCAGTCTTTCCGGAGATAAACC	1757
QY	1741	TCAATTTCCAGATTCGATATGCTTAAAGTGGGAAAGAAATACAAATGGAAGACACATGAGT	1800
DB	1758	TCAATTTCCAGATTCGATATGCTTAAAGTGGGAAAGAAATACAAATGGAAGACACATGAGT	1817

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Db 1878 GGTCCAGGTTCCGTCGCGCGGTGGATGAGTCTAGGATATTGGAGTAATTGGAGCAGTCC 1937
QY 1921 AGCTATACGTTGTCATGATGTAAGTTCTTATGAGAGGCGCTGAATTTGGAGAAA 1980
Db 1938 AGCTATACGTTGTCATGATGTAAGTTCTTATGAGAGGCGCTGAATTTGGAGAAA 1997
QY 1981 AATGGATGGGCGTTTACTTAAAGAGAGAGAAATGTCACCTTGTCTTGGAGCCCTGCAC 2040
Db 1998 AATGGATGGGCGTTTACTTAAAGAGAGAGAAATGTCACCTTGTCTTGGAGCCCTGCAC 2057
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Db 2418 TCCCTCGAATGTTAAAAAGTTTTATATCACCAGTATTTTAT 2460

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RESULT 9

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US-08-638-524B-1
; Sequence 1, Application US/08638524B
; Patent No. 6548269
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OB
; TITLE OF INVENTION: CACHEXIA
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/638,524B

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; FILING DATE: 26-APR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meikiejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/018001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3097 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 61...2742
; US-08-638-524B-1

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Query Match 98.9%; Score 2433.4; DB 4; Length 3097;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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Db 318 CTTCCACTGTGCTTTGGGAATGAGCAAGGTCAAAATGCTCTGCACCTCAGAGACAAAC 377
QY 361 TGAAGGGAAGACACTGGCTTCAAGTAGTGAAGCTTCAAGTTTTCGCCAGCTAGGTGATAA 420
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QY 421 CTGGACATAGAGTCTGGATGAAAGGGGACCTTGACATTATTCTCATCTCATATGAGGCC 480
Db 438 CTGGACATAGAGTCTGGATGAAAGGGGACCTTGACATTATTCTCATCTCATATGAGGCC 497
QY 481 ATTACCTAAGAACCCCTTTCAAGAAATATGACTCTTAAGGTCCATCTTTTATATGATCTGCC 540
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 Db 618 CAACTGCACTTTCGGGATGTAATGTCATGTCGGGTACCCAGAGCCAACTCAACTA 677  
 QY 661 CGCTCTTCATGATGATTTGGAATCAGATCTGCGGTGAGTTTTCAGTCACTCTGAT 720  
 Db 678 CGCTCTTCATGATGATTTGGAATCAGATCTGCGGTGAGTTTTCAGTCACTCTGAT 737  
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 Db 738 GTCACTGCAAGCCATGCTTGTGTGAAACCCGATCCACCTTAGCTTTGCATATGGAAGT 797  
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 Db 798 CACAGATGATGTAATTTAAAGATTTCTGGGACAGCCAAACAATGGCACCAATTCGCT 857  
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 Db 918 CTCAGTACATCTCTGCTGTAGACAGATGCTTCTGATCTTCAATAGAGTCCAGT 977  
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 Db 1818 ATTTCATCAAAAGTCAAAAGTCTGCGAGCTGCTGGTGTGAGACCTCTGTGAGTCTATGT 1877  
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 Db 1878 GGTCCAGGTTCTGCTGCGCGGTTGGATGGATAGGATATTGGAGTAATTTGGAGCAGTCC 1937  
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 Db 1938 AGCTATACGCTTGTCTATGGATGTAAGTCTTCTATGAGAGGCTGTAATTTTGAGAAA 1997  
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RESULT 10  
 US-08-599-455B-42  
 ; Sequence 42, Application US/08599455B  
 ; Patent No. 5972621  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tartaglia, Louis A.  
 ; APPLICANT: Tepper, Robert I.  
 ; APPLICANT: Culpepper, Janice A.  
 ; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT  
 ; TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR  
 ; NUMBER OF SEQUENCES: 44  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESS: Fish & Richardson, P.C.  
 ; STREET: 225 Franklin Street  
 ; CITY: Boston  
 ; STATE: MA



/ COUNTRY: US  
/ ZIP: 02110-2804  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Diskette  
/ COMPUTER: IBM Compatible  
/ OPERATING SYSTEM: Windows95  
/ SOFTWARE: FastSeq for Windows Version 2.0  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/08/599,455B  
/ FILING DATE: 22-JAN-1996  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 08/583,153  
/ FILING DATE: 28-DEC-1995  
/ APPLICATION NUMBER: 08/570,142  
/ FILING DATE: 11-DEC-1995  
/ APPLICATION NUMBER: 08/569,485  
/ FILING DATE: 08-DEC-1995  
/ APPLICATION NUMBER: 08/566,622  
/ FILING DATE: 04-DEC-1995  
/ APPLICATION NUMBER: 08/562,663  
/ FILING DATE: 27-NOV-1995  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: Meiklejohn, Ph.D., Anita L.  
/ REGISTRATION NUMBER: 35,283  
/ REFERENCE/DOCKET NUMBER: 07334/017001  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: 617-542-5070  
/ TELEFAX: 617-542-8906  
/ TELEX: 200154  
/ INFORMATION FOR SEQ ID NO: 42:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 3854 base pairs  
/ TYPE: nucleic acid  
/ STRANDEDNESS: single  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: cDNA  
/ FEATURE:  
/ NAME/KEY: Coding Sequence  
/ LOCATION: 61...3546  
/ US-08-599-974e-9

Query Match 98.9%; Score 2433.4; DB 2; Length 3854;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
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DB 378 TGAAGGAAGAACAATGGCTTCAAGTAGTAGTAAGGCTTCAAGTTTTCGCCAGCTAGGTGTAAA 437

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QY 1501 CGTCTTACAGAGACGGCTTTTATGAATGTGTTTTCAGGCCAATCTTTTCTTATATCTCG 1560

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RESULT 11

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US-09-069-781B-42
; Sequence 42, Application US/09069781B
; Patent No. 6287782
; GENERAL INFORMATION:
; APPLICANT: Targelia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.

```

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; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/069,781B
; FILING DATE: 29-APRIL-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/864,564
; FILING DATE: 28-MAY-1997
; APPLICATION NUMBER: US 08/708,123
; FILING DATE: 03-SEP-1996
; APPLICATION NUMBER: US 08/638,524
; FILING DATE: 26-APR-1996
; APPLICATION NUMBER: US 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: US 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: US 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: US 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: US 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: US 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/082001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3854 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 61...3546
; US-09-069-781B-42

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Query Match 98.9%; Score 2433.4; DB 3; Length 3854;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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RESULT 12

US-09-137-132-42  
; Sequence 42, Application US/09137132  
; Patent No. 6380363  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/137,132  
; FILING DATE: 18-AUG-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/864,564  
; FILING DATE: 28-MAY-1997  
; APPLICATION NUMBER: 08/708,123  
; FILING DATE: 03-SEP-1996  
; APPLICATION NUMBER: 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Weiklejohn, Ph.D.; Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/019004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3854 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: unknown  
; MOLECULE TYPE: cDNA  
; NAME/KEY: Coding Sequence  
; LOCATION: 61...3546

US-09-137-132-42  
Query Match 98.9%; Score 2433.4; DB 3; Length 3854;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
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Db 2178 AGCGCACACTGTTACAGTTCCTGGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTTAA 2237  
QY 2221 CCTTACCTTCTCATGGCCCATGAGTAAAGTGAAGTGTGTGAGTCACTCAGTGTCTATCC 2280  
Db 2238 CCTTACCTTCTCATGGCCCATGAGTAAAGTGAAGTGTGTGAGTCACTCAGTGTCTATCC 2297  
QY 2281 CCTGAGCAGCAGCTGTGTCTATCCCTTCTCTGACACTGTCACTGATGATTATAGTCTCTT 2340  
Db 2298 CCTGAGCAGCAGCTGTGTCTATCCCTTCTCTGACACTGTCACTGATGATTATAGTCTCTT 2357  
QY 2341 ATATCTCGTATTGAATGGAAGATCCCTTAAATGAAGATGATGGAATGAAGTGGCTTAGAAT 2400  
Db 2358 ATATCTCGTATTGAATGGAAGATCCCTTAAATGAAGATGATGGAATGAAGTGGCTTAGAAT 2417  
QY 2401 TCCCTCGAATGTTAAAAAGTTTATATCCACGGTATGTGACT 2443  
Db 2418 TCCCTCGAATGTTAAAAAGTTTATATCCACGGTATGTGACT 2460

## RESULT 13

US-08-864-564A-42  
; Sequence 42, Application US/08864564A

; Patent No. 6395498

## ; GENERAL INFORMATION:

; APPLICANT: Tartaglia, Louis A.

; APPLICANT: Tepper, Robert I.

; APPLICANT: Culpepper, Janice A.

; APPLICANT: White, David W.

; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR

; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,

; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA

; NUMBER OF SEQUENCES: 50

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson, P.C.

; STREET: 225 Franklin Street

; CITY: Boston

; STATE: MA

; COUNTRY: US

; ZIP: 02110-2804

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows95

; SOFTWARE: PastSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/864,564A

; FILING DATE: 28-MAY-1997

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/708,123

; FILING DATE: 03-SEP-1996

; APPLICATION NUMBER: 08/638,524

; FILING DATE: 26-APR-1996

; APPLICATION NUMBER: 08/599,455

; FILING DATE: 22-JAN-1996

; APPLICATION NUMBER: 08/583,153

; FILING DATE: 28-DEC-1995

; APPLICATION NUMBER: 08/570,142

; FILING DATE: 11-DEC-1995

; APPLICATION NUMBER: 08/569,485

; FILING DATE: 08-DEC-1995

; APPLICATION NUMBER: 08/566,622

; FILING DATE: 04-DEC-1995

; APPLICATION NUMBER: 08/562,663

; FILING DATE: 27-NOV-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Meiklejohn, Ph.D., Anita L.

; REGISTRATION NUMBER: 35,283

REFERENCE/DOCKET NUMBER: 07334/019002

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-542-5070

TELEFAX: 617-542-8906

TELEX: 200154

INFORMATION FOR SEQ ID NO: 42:

SEQUENCE CHARACTERISTICS:

LENGTH: 3854 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: unknown

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: Coding Sequence

LOCATION: 61...3546

US-08-864-564A-42

Query Match 98.9%; Score 2433.4; DB 3; Length 3854;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY	1	GAGGATCGTCTGCAATCCAGGTGTACACCTCTGAGAAAGATGATGTGCAGAAAT	60
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QY	61	CTATGTGGTGTGTACACTGGGAATTTCTTATGTGATAGCTGCACCTTAACTCGGCATA	120
DB	78	CTATGTGGTGTGTACACTGGGAATTTCTTATGTGATAGCTGCACCTTAACTCGGCATA	137
QY	121	TCCAACTCTCCCTGGAAATTTAAGTGTGTTTGTGGACACCGAACAACCGATGACTC	180
DB	138	TCCAACTCTCCCTGGAAATTTAAGTGTGTTTGTGGACACCGAACAACCGATGACTC	197
QY	181	CTTTCTCTCACCTGTGGAGCCCAACAATCGCTCGGCTTTGAAGGGGCTTCTGAAGC	240
DB	198	CTTTCTCTCACCTGTGGAGCCCAACAATCGCTCGGCTTTGAAGGGGCTTCTGAAGC	257
QY	241	AATTGTGAAGCTAAATTTAAATTTCAAGTGGTATCTACGTTCTCGAGTTATCCAAACACAGT	300
DB	258	AATTGTGAAGCTAAATTTAAATTTCAAGTGGTATCTACGTTCTCGAGTTATCCAAACACAGT	317
QY	301	CTTCCACTGTCTTGGGAATGAGCAAGGTCAAACTGTCTGTCACTCACAGACAAACAC	360
DB	318	CTTCCACTGTCTTGGGAATGAGCAAGGTCAAACTGTCTGTCACTCACAGACAAACAC	377
QY	361	TGAAGGGAAGACACTGGCTTCAAGTAGTAGAGGCTTCAGTTTTCGCCAGCTAGGTGTAA	420
DB	378	TGAAGGGAAGACACTGGCTTCAAGTAGTAGAGGCTTCAGTTTTCGCCAGCTAGGTGTAA	437
QY	421	CTGGGACATAGAGTGTGGATGAAAGGGGACCTTGACATTTATCTGTCTCATATGGAGCC	480
DB	438	CTGGGACATAGAGTGTGGATGAAAGGGGACCTTGACATTTATCTGTCTCATATGGAGCC	497
QY	481	ATTACTAAGAACCCCTTCAAGAAATTAAGCTCTAAGGTCCATCTTTTATATGATCTGCC	540
DB	498	ATTACTAAGAACCCCTTCAAGAAATTAAGCTCTAAGGTCCATCTTTTATATGATCTGCC	557
QY	541	TGAAGTCTATAGATGATTCGCTCTGCCCCCACTGAAAGACAGCTTTCAGACTGTCCAATG	600
DB	558	TGAAGTCTATAGATGATTCGCTCTGCCCCCACTGAAAGACAGCTTTCAGACTGTCCAATG	617
QY	601	CAACTGTGACTTTCGGGGATGTGAATGTCTATGTGGCGGTACCCAGAGCCCAACTCAACTA	660
DB	618	CAACTGTGACTTTCGGGGATGTGAATGTCTATGTGGCGGTACCCAGAGCCCAACTCAACTA	677
QY	661	CGCTCTTCTGATGTATTTGGAAATCACATCTCCCGGTGTAGTTTTCAGTCACTCTGAT	720
DB	678	CGCTCTTCTGATGTATTTGGAAATCACATCTCCCGGTGTAGTTTTCAGTCACTCTGAT	737
QY	721	GTCACTGAGGCCATGCTTGTGTGAAACCCGATCCACCCCTTAGTTTGCATATGGAAGT	780
DB	738	GTCACTGAGGCCATGCTTGTGTGAAACCCGATCCACCCCTTAGTTTGCATATGGAAGT	797

QY	781	CACAGATGATGTAATTTAAAGATTTCTTGGACAGCCAAACAATGGACCAATTTCCGCT	840
DB	798	CACAGATGATGTAATTTAAAGATTTCTTGGACAGCCAAACAATGGACCAATTTCCGCT	857
QY	841	TCAATATCAGGTGAAATATTTTAGAGAAATTTTACAAATTTGTAAGAGAGGCTGCTGAAATGT	900
DB	858	TCAATATCAGGTGAAATATTTTAGAGAAATTTTACAAATTTGTAAGAGAGGCTGCTGAAATGT	917
QY	901	CTCAGCTACATCTCTGCTGGTAGACAGTGTCTTCTCGATCTTCTCATATGAGGTCCAGGT	960
DB	918	CTCAGCTACATCTCTGCTGGTAGACAGTGTCTTCTCGATCTTCTCATATGAGGTCCAGGT	977
QY	961	GAGGAGCAAGACATGAGTGTCTCAGGAGTCTGGAGTCACTGGAGTTCACCTCAAGTCTT	1020
DB	978	GAGGAGCAAGACATGAGTGTCTCAGGAGTCTGGAGTCACTGGAGTTCACCTCAAGTCTT	1037
QY	1021	TACCACACAAGATGTTGTATTTTTCACCCCAAAATTTCTGACTAGTGTGGATCGAATGC	1080
DB	1038	TACCACACAAGATGTTGTATTTTTCACCCCAAAATTTCTGACTAGTGTGGATCGAATGC	1097
QY	1081	TTCTTTTTCATTTGCATCTACAAAAACGAAAAACAGAAATTTCTCTCAAAACAGATAGTTTG	1140
DB	1098	TTCTTTTTCATTTGCATCTACAAAAACGAAAAACAGAAATTTCTCTCAAAACAGATAGTTTG	1157
QY	1141	GTGGAGGAATCTAGCTGAGAAAAATCCCTGAGATACAGTACAGCATTTGTGAGTGCAGGT	1200
DB	1158	GTGGAGGAATCTAGCTGAGAAAAATCCCTGAGATACAGTACAGCATTTGTGAGTGCAGGT	1217
QY	1201	TAGCAAGTTTACTTCTCAACCTGAAAGCACCAGACCTCGAGGGAAGTTTACCTATGA	1260
DB	1218	TAGCAAGTTTACTTCTCAACCTGAAAGCACCAGACCTCGAGGGAAGTTTACCTATGA	1277
QY	1261	CGAGTGTACTGTCTCAATGAGCAGCGTGCATCACCCTGATGTCTGAAATATATAGTGTAT	1320
DB	1278	CGAGTGTACTGTCTCAATGAGCAGCGTGCATCACCCTGATGTCTGAAATATATAGTGTAT	1337
QY	1321	CGATGTCATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAAAAGTCTGACAG	1380
DB	1338	CGATGTCATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAAAAGTCTGACAG	1397
QY	1381	ATGTCACCCAGACAAATCCAAATCACTAGTGGGAAGCACTGTGACAGCTGAGGTATACAG	1440
DB	1398	ATGTCACCCAGACAAATCCAAATCACTAGTGGGAAGCACTGTGACAGCTGAGGTATACAG	1457
QY	1441	GCGCAGCTGTATGTCTCTGATAGTCCATCTATTCATCTCTGAGCCCAAAACTG	1500
DB	1458	GCGCAGCTGTATGTCTCTGATAGTCCATCTATTCATCTCTGAGCCCAAAACTG	1517
QY	1501	CGTCTTACAGAGACGCGCTTTTATGAAATGTGTTTTCAGGCCAATCTTTTCTATTATCTGG	1560
DB	1518	CGTCTTACAGAGACGCGCTTTTATGAAATGTGTTTTCAGGCCAATCTTTTCTATTATCTGG	1577
QY	1561	CTATCAATATGGATCAGGATCAACCATTTTATAGTTTCACTTGTACTGCCACCAACGTTG	1620
DB	1578	CTATCAATATGGATCAGGATCAACCATTTTATAGTTTCACTTGTACTGCCACCAACGTTG	1637
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DB	1638	TGTCCTCTCTGACTCCGTAGTAAACCACTACTCTTAACTGTAAGGAGGAGATATAC	1697
QY	1681	TGTAACAACCTGGATTTATGAAAGTATCTTGGGAAAGCCAGTCTTTTCCGGAGAAATACCT	1740
DB	1698	TGTAACAACCTGGATTTATGAAAGTATCTTGGGAAAGCCAGTCTTTTCCGGAGAAATACCT	1757
QY	1741	TCAATTCAGATTCGATATGCTTAAAGTGGGAAAGAAATACATGGAGACACATGAGGT	1800
DB	1758	TCAATTCAGATTCGATATGCTTAAAGTGGGAAAGAAATACATGGAGACACATGAGGT	1817
QY	1801	ATTTCGATCAAGTCAAGTCTGCGAGCTGCTGGTGTGACAGCTCTGTCGAGTCTATGT	1860
DB	1818	ATTTCGATCAAGTCAAGTCTGCGAGCTGCTGGTGTGACAGCTCTGTCGAGTCTATGT	1877
QY	1861	GGTCCAGGTTCGCTGCGCGGCTTGGATGGACTAGGATATTTGGAGTAATTTGGAGCAGTCC	1920

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Db 1878 GGTCCAGGTTGCTGCGCGGTTGGATGAGCTAGGATATTGGAGTAATTGGAGAGTCC 1937
QY 1921 AGCTATACGCTTGTTCATGATGTAAAGTTCCTATGAGAGGCGCTGAAATTTGGAGAA 1980
Db 1938 AGCTATACGCTTGTTCATGATGTAAAGTTCCTATGAGAGGCGCTGAAATTTGGAGAA 1997
QY 1981 AATGATGGGAGCTTACTATAAAGAGAGAAATGTCACCTTGTGGAGCCCTGTGAC 2040
Db 1998 AATGATGGGAGCTTACTATAAAGAGAGAAATGTCACCTTGTGGAGCCCTGTGAC 2057
QY 2041 GAAAAATGACTCACTGTGTAGTGTGAGGAGTACGTGGTGAAGCATCGTACTGCCACAA 2100
Db 2058 GAAAAATGACTCACTGTGTAGTGTGAGGAGTACGTGGTGAAGCATCGTACTGCCACAA 2117
QY 2101 TGGAGCGTGGTCAAGATGTGGGAAATCGGACCAATCTCACTTTCCTGTGGACAGAAC 2160
Db 2118 TGGAGCGTGGTCAAGATGTGGGAAATCGGACCAATCTCACTTTCCTGTGGACAGAAC 2177
QY 2161 AGGCACACTGTTACAGTTCTGGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTAA 2220
Db 2178 AGGCACACTGTTACAGTTCTGGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTAA 2237
QY 2221 CTTACTCTTCATGSCCATGAGTAAAGTGAAGTGTGTGGAGTCACTCAGTGTATACC 2280
Db 2238 CTTACTCTTCATGSCCATGAGTAAAGTGAAGTGTGTGGAGTCACTCAGTGTATACC 2297
QY 2281 CTGAGCAGCAGTGTGTCATCTTTCCTGGACACTGTCACTGATGATTAATAGTCTGTT 2340
Db 2298 CTGAGCAGCAGTGTGTCATCTTTCCTGGACACTGTCACTGATGATTAATAGTCTGTT 2357
QY 2341 ATATCTGTTATTGAATGAAGATCTTAATGAAGATGAATGAATGAAGTGCCTTAGAT 2400
Db 2358 ATATCTGTTATTGAATGAAGATCTTAATGAAGATGAATGAATGAAGTGCCTTAGAT 2417
QY 2401 TCCTCTGAATGTTAAAAAGTTTTATATCACCGTATGTACT 2443
Db 2418 TCCTCTGAATGTTAAAAAGTTTTATATCACCGATTAATTTATT 2460

RESULT 14
US-09-094-410-42
; Sequence 42, Application US/09094410
; Patent No. 6403552
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/094,410
; FILING DATE: 09-JUN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/864,564
; FILING DATE: 28-MAY-1997
; APPLICATION NUMBER: 08/708,123
; FILING DATE: 03-SEP-1996
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; APPLICATION NUMBER: 08/638,524
; FILING DATE: 26-APR-1996
; APPLICATION NUMBER: 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/019003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3854 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 61...3546
; US-09-094-410-42

Query Match 98.9%; Score 2433.4; DB 4; Length 3854;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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Db 78 CTATGTGTTTTTTTACACTGGGAATTTCTTTATGTGATAGTGCACCTTAACCTGGCATA 137
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QY 241 AATTGTTGAAGCTAAATTTAATTCAAGTGGTATCTACGTTCTCTGAGTTATCCAAAACAGT 300
Db 258 AATTGTTGAAGCTAAATTTAATTCAAGTGGTATCTACGTTCTCTGAGTTATCCAAAACAGT 317
QY 301 CTTCCACTGTTGCTTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACACACAGAACAC 360
Db 318 CTTCCACTGTTGCTTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACACACAGAACAC 377
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QY 421 CTGGGACATAGAGTCTGGATGAAAGGGGACTTGCATTTATTCACTCTCATATGGAGCC 480
Db 438 CTGGGACATAGAGTCTGGATGAAAGGGGACTTGCATTTATTCACTCTCATATGGAGCC 497
QY 481 ATTACCTAAGAACCCCTTTCAAGAAATTATGACTCTAAGGTCCATCTTTTATATGATCTGCC 540
Db 498 ATTACCTAAGAACCCCTTTCAAGAAATTATGACTCTAAGGTCCATCTTTTATATGATCTGCC 557
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QY 541 TGAAGTCATAGATGATTCGCTCTGCCCCCACTGAAAGACAGCTTTTTCAGACTGTCCAATG 600  
 Db 558 TGAAGTCATAGATGATTCGCTCTGCCCCCACTGAAAGACAGCTTTTTCAGACTGTCCAATG 617  
 QY 601 CAACTGCACTCTTGGGGATGTGAATGTCATGTGCGGGTACCAGAGCCAACTCAACTA 660  
 Db 618 CAACTGCACTCTTGGGGATGTGAATGTCATGTGCGGGTACCAGAGCCAACTCAACTA 677  
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 Db 1878 GGTCCAGTTCGCTGCGCGGTTGGATGGATAGGATATTTGGAGTAATTTGGAGCAGTCC 1937  
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 Db 2418 TCCCTCGAATTTAAAAAGTTTATATCCAGGTAATTTTAT 2460

RESULT 15  
 US-08-708-123D-42  
 ; Sequence 42, Application US/08708123D  
 ; Patent No. 6482927  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tartaglia, Louis A.  
 ; APPLICANT: Tepper, Robert I.  
 ; APPLICANT: Culppepper, Janice A.  
 ; APPLICANT: White, David W.  
 ; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
 ; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
 ; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
 ; NUMBER OF SEQUENCES: 50  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson, P.C.  
 ; STREET: 225 Franklin Street

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; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/708,123D
; FILING DATE: 03-SEP-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/638,524
; FILING DATE: 26-APR-1996
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; APPLICATION NUMBER: 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/019001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3854 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 61...3546
; US-08-708-123D-42

Query Match 98.9%; Score 2433.4; DB 4; Length 3854;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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DB 138 TCCAAATCTCTCCCTGGAAATTTAAGTTGTTTGTGGACCAACCGAACAACCGATGACTC 197
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DB 198 CTTTCTCTCACTGTGGAGCCCAACAAATGCCCTGGCTTTGAAGGGGGCTTCTGAAAGC 257
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DB |||
DB 258 AATTGTTGAAGCTAAATTTAATTCAGTGGTATCTACGTTTCTCGAGTTATCCAAACAGT 317
QY 301 CTTTCACTGTGCTTGGGAATGAGCAAGGTCAAAATCTCTGCACTCACAGACAAACAC 360
DB |||
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DB 318 CTTCCACTGTTGCTTTGGGAATGAGCAAGGTCAAAATGCTGCTCTGCACCTCACAGACAAACAC 377
QY 361 TGAAGGGAAGACACATGGCTTCAGTAGTGAAGGCTTCAGTTTTCGCCAGCTAGGTGTTAAA 420
DB |||
DB 378 TGAAGGGAAGACACATGGCTTCAGTAGTGAAGGCTTCAGTTTTCGCCAGCTAGGTGTTAAA 437
QY 421 CTGGGACATAGAGTCTCGATGAAAGGGGACTTCACATTATTCATCTGCTCATATGAGGCC 480
DB |||
DB 438 CTGGGACATAGAGTCTCGATGAAAGGGGACTTCACATTATTCATCTGCTCATATGAGGCC 497
QY 481 ATTACCTAAGAACCCCTTCAAGAAATATGACTCTAAGGTCCATCTTTTATATGATCTGCC 540
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DB 498 ATTACCTAAGAACCCCTTCAAGAAATATGACTCTAAGGTCCATCTTTTATATGATCTGCC 557
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DB |||
DB 558 TGAAGTCAATAGATGATTCGCTCTGCCCCCACTGAAAGACAGCTTTTCAGACTGTCCAATG 617
QY 601 CAACCTGCAGTCTTCGGGGATGTGAATGTCATGTCGGGTACCCAGAGGCCAAACTCAACTA 660
DB |||
DB 618 CAACCTGCAGTCTTCGGGGATGTGAATGTCATGTCGGGTACCCAGAGGCCAAACTCAACTA 677
QY 661 CGCTCTTCTGATGTATTTGGAAATCACATCTGCCGGTGTGAGTTTTCAGTCACTCTCTGAT 720
DB |||
DB 678 CGCTCTTCTGATGTATTTGGAAATCACATCTGCCGGTGTGAGTTTTCAGTCACTCTCTGAT 737
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DB 738 GTCACCTGAGCCCATGCTTGTGTGAAACCCGATCCACCTTAGGTTTGCATATGGAAGT 797
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DB 978 GAGGAGCAAGAGACTGGAGTGTTCAGGAGTCTGAGTGCACCTGGAGTTCCACCTCAAGTCTT 1037
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DB |||
DB 1278 GCAGTGTACTGTGCAATGAGCAGGCGTGCATCACCCTATGCTGTAATATACGTGAT 1337
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 Db 1758 TCAATTTCCAGATTTCGATATGGCTTAAGTGGAAAAGAAATACAAATGGAACACATGAGT 1817  
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 QY 2341 ATATCTGGTTATTGAATGAAGATCCTTAATGAAGATGAAATGAATGAATGAGTGGCTTAGAAT 2400  
 Db 2358 ATATCTGGTTATTGAATGAAGATCCTTAATGAAGATGAAATGAATGAGTGGCTTAGAAT 2417  
 QY 2401 TCCCTCGAATGTTAAAAAGTTTTTATATCCACGGTATGTGTACT 2443  
 Db 2418 TCCCTCGAATGTTAAAAAGTTTTTATATCCACGATAATTTATT 2460

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: November 4, 2004, 18:07:42 ; Search time 1698 seconds  
(without alignments)  
7803.480 Million cell updates/sec

Title: US-08-599-974E-9

Perfect score: 2461

Sequence: 1 gaggaatcgtcttgcgaatc.....ctgactttcttgattgattag 2461

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3611042 seqs, 2692057975 residues

Total number of hits satisfying chosen parameters: 7222084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

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- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US05\_NEW\_PUB.seq:\*
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- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/1/pubpna/ECTUS\_PUBCOMB.seq:\*
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- 21: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2433.4	98.9	3097	13	US-10-079-625-1
2	2433.4	98.9	3656	14	US-10-226-579-1
3	2433.4	98.9	3854	13	US-10-079-625-42
4	2390.4	97.1	2679	15	US-10-278-733-14
5	2364.6	96.1	2868	8	US-08-779-457-8
6	2364.6	96.1	2868	14	US-10-214-802-8
7	2148.8	87.3	3489	15	US-10-278-733-18
8	1692.2	68.8	3102	8	US-08-779-457-6
9	1692.2	68.8	3102	14	US-10-214-802-6
10	1692.2	68.8	3800	14	US-10-226-579-3
11	1692.2	68.8	3800	16	US-10-641-643-885
12	1692.2	68.8	4102	8	US-08-779-457-1

13	1692.2	68.8	4102	14	US-10-214-802-1	Sequence 1, Appli
14	1691	68.7	3004	8	US-08-779-457-5	Sequence 5, Appli
15	1691	68.7	3004	14	US-10-214-802-5	Sequence 5, Appli
16	1690.8	68.7	2991	13	US-10-095-929-1	Sequence 1, Appli
17	1688.2	68.6	2415	10	US-09-116-676-9	Sequence 9, Appli
18	1687.4	68.6	3871	13	US-10-079-625-3	Sequence 3, Appli
19	1682.8	68.4	2877	14	US-10-245-616-1	Sequence 1, Appli
20	1676	68.1	2691	17	US-10-373-624A-1	Sequence 1, Appli
21	1613.8	65.6	2751	17	US-10-373-624A-3	Sequence 3, Appli
22	1613.8	65.6	3486	17	US-10-373-624A-7	Sequence 7, Appli
23	1613.8	65.6	3705	17	US-10-373-624A-5	Sequence 5, Appli
24	1540	62.6	5147	14	US-10-116-802-93	Sequence 93, Appli
25	274	11.1	481	10	US-09-918-995-8348	Sequence 8348, Ap
26	252.4	10.3	391	10	US-09-918-995-8799	Sequence 8799, Ap
27	212.4	8.6	516	15	US-10-029-386-13143	Sequence 13143, A
28	205.4	8.3	287	15	US-10-029-386-26843	Sequence 26843, A
29	198	8.0	363	15	US-10-278-733-16	Sequence 16, Appl
30	65	2.6	65	10	US-09-908-375-29448	Sequence 29448, A
31	56.4	2.3	80	16	US-10-384-245-549	Sequence 549, App
32	52.2	2.1	65	10	US-09-908-975-3618	Sequence 3618, Ap
33	50.8	2.1	54	10	US-09-116-676-1	Sequence 1, Appli
34	39	1.6	811	14	US-10-184-644-414	Sequence 414, App
35	39	1.6	811	14	US-10-184-634-414	Sequence 414, App
36	39	1.6	1191	16	US-10-311-473-14	Sequence 14, Appl
37	39	1.6	1497	16	US-10-311-473-13	Sequence 13, Appl
38	39	1.6	1791	16	US-10-311-473-11	Sequence 11, Appl
39	39	1.6	2369	15	US-10-313-135-1	Sequence 1, Appli
40	39	1.6	3085	15	US-10-177-293-229	Sequence 229, App
41	39	1.6	3085	15	US-10-172-118-736	Sequence 736, App
42	39	1.6	3085	15	US-10-295-027-73	Sequence 73, Appl
43	39	1.6	3085	16	US-10-058-270A-31	Sequence 31, Appl
44	39	1.6	3085	16	US-10-342-887-736	Sequence 736, App
45	39	1.6	3085	16	US-10-641-643-1131	Sequence 1131, Ap

## ALIGNMENTS

### RESULT 1

US-10-079-625-1  
; Sequence 1, Application US/10079625  
; Publication No. US20020182676A1  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: Fast-Seq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/079,625  
FILING DATE: 2002-FEB-19  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/864,564  
FILING DATE: 28-MAY-1997  
APPLICATION NUMBER: 08/708,123  
FILING DATE: 03-SEP-1996  
APPLICATION NUMBER: 08/638,524  
FILING DATE: 26-APR-1996

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; APPLICATION NUMBER: 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meikiejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/019002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3097 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: unknown
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 61...2742
; US-10-079-625-1

Query Match      98.9%; Score 2433.4; DB 13; Length 3097;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 GAGGAATCGTTCTGCAAAATCGAGGTGTACACCTCTGGAAGAAGATGATGTGCAGAAATT 60
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QY 1381 ATGTCACCCAGCACAATTCGAATCACTAGTGGGAAGCACTGTGAGCTGAGGTATACAG 1440
DB 1398 ATGTCACCCAGCACAATTCGAATCACTAGTGGGAAGCACTGTGAGCTGAGGTATACAG 1457
QY 1441 GCGCAGCTGTATTTGCTGCTGATGTCCATCTATTTCATCTACGCTGTGAGCCCAAAACCTG 1500
DB 1458 GCGCAGCTGTATTTGCTGCTGATGTCCATCTATTTCATCTACGCTGTGAGCCCAAAACCTG 1517
QY 1501 CGTCTTACAGAGACGGCTTTTATGAATGTGTTTTTCAGCCCAATCTTTTCTATTATCTGG 1560
DB 1518 CGTCTTACAGAGACGGCTTTTATGAATGTGTTTTTCAGCCCAATCTTTTCTATTATCTGG 1577
QY 1561 CTATACATGTGGATCAGGATCAACCATTTCTTTAGGTTCACTTGTGCTCGCCACCAACCTG 1620
DB 1578 CTATACATGTGGATCAGGATCAACCATTTCTTTAGGTTCACTTGTGCTCGCCACCAACCTG 1637
QY 1621 TGTCTCTCTGACTCTCGGTAGTAAAAACCACTACCTCTAACTGTAACGTAAGACAGATTTAC 1680
```

Db 1638 TGTCTCTCTGACTCGGTAGTAAACCACTACCTCCATCTCAACGTAAAGCAGACGATTAC 1697  
Qy 1681 TGTAAACACTGATATTGCAAGTATCTTGGGAAAGCCAGTCTTTCGGGAAATAACCT 1740  
Db 1698 TGTAAACACTGATATTGCAAGTATCTTGGGAAAGCCAGTCTTTCGGGAAATAACCT 1757  
Qy 1741 TCAATTCCAGATTTCGATATGGCTTAAGTGGAAAGAAATACAAATGGAAGACACATGAGGT 1800  
Db 1758 TCAATTCCAGATTTCGATATGGCTTAAGTGGAAAGAAATACAAATGGAAGACACATGAGGT 1817  
Qy 1801 ATTGATGCAAGATCAAGTCTGCCAGCCTGTGTGTGTCAGACCTCTGTGAGTCTATGT 1860  
Db 1818 ATTGATGCAAGATCAAGTCTGCCAGCCTGTGTGTGTCAGACCTCTGTGAGTCTATGT 1877  
Qy 1861 GGTCCAGGTTCCCTGCCCGCGTGTGATGGAACCTAGGATATGAGTAAATTGGAGCAGTCC 1920  
Db 1878 GGTCCAGGTTCCCTGCCCGCGTGTGATGGAACCTAGGATATGAGTAAATTGGAGCAGTCC 1937  
Qy 1921 AGCCTATACGCTTGTCAATGATGTAAAGTTCCTATGAGAGGCGCTGAAATTTGGAGAAA 1980  
Db 1938 AGCCTATACGCTTGTCAATGATGTAAAGTTCCTATGAGAGGCGCTGAAATTTGGAGAAA 1997  
Qy 1981 AATGATGGGAGCTTACTAAAAGAGAGAAATGTACCTTGTTCGAAAGCCCTGAC 2040  
Db 1998 AATGATGGGAGCTTACTAAAAGAGAGAAATGTACCTTGTTCGAAAGCCCTGAC 2057  
Qy 2041 GAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCCAAA 2100  
Db 2058 GAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCCAAA 2117  
Qy 2101 TGGGACGTGGTCAGAGATGTGGGAAATCGGACCAATCTCACTTTCCTGTGGACAGAAACC 2160  
Db 2118 TGGGACGTGGTCAGAGATGTGGGAAATCGGACCAATCTCACTTTCCTGTGGACAGAAACC 2177  
Qy 2161 AGCGCACACTGTACAGTTCTGGCTGTCAATTCCTCGCGCGTTCCTTGTGAATTTAA 2220  
Db 2178 AGCGCACACTGTACAGTTCTGGCTGTCAATTCCTCGCGCGTTCCTTGTGAATTTAA 2237  
Qy 2221 CCTACCTTCTCATGGCCCATGATGAAGTGTGCTGGAGTCACTCAGTGCCTATACC 2280  
Db 2238 CCTACCTTCTCATGGCCCATGATGAAGTGTGCTGGAGTCACTCAGTGCCTATACC 2297  
Qy 2281 CCTGAGCAGCAGTGTGCATCTTTCCTGGACACTGTCACTGATGATTAATAGTCTGTT 2340  
Db 2298 CCTGAGCAGCAGTGTGCATCTTTCCTGGACACTGTCACTGATGATTAATAGTCTGTT 2357  
Qy 2341 ATATCTGTTATTAATGGAAGATCCTTAATGAAGATGATGAATGGAAGTGGCTTAGAAT 2400  
Db 2358 ATATCTGTTATTAATGGAAGATCCTTAATGAAGATGATGAATGGAAGTGGCTTAGAAT 2417  
Qy 2401 TCCCTCGAATGTAAGAGTTTATATCCAGGTATGTACT 2443  
Db 2418 TCCCTCGAATGTAAGAGTTTATATCCAGGTATTTATT 2460

RESULT 2

US-10-226-579-1

; Sequence 1, Application US/10226579

; Publication NO. US20030073634A1

; GENERAL INFORMATION:

; APPLICANT: Myers, Martin

; TITLE OF INVENTION: METHODS OF TREATING OBESITY

; FILE REFERENCE: 10276-071001

; CURRENT APPLICATION NUMBER: US/10/226,579

; CURRENT FILING DATE: 2002-08-23

; PRIOR APPLICATION NUMBER: US 60/314,976

; PRIOR FILING DATE: 2001-08-24

; NUMBER OF SEQ ID NOS: 13

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 3656

; TYPE: DNA

; ORGANISM: Mus musculus

US-10-226-579-1

Query Match 98.9%; Score 2433.4; DB 14; Length 3656;

Best Local Similarity 99.8%; Pred. No. 0;

Matches 2437; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 GAGGAATCGTTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAATT 60  
Db 40 GAGGAATCGTTCTGCAAAATCCAGGTGTACACCTCTGAAGAAAGATGATGTGCAGAAATT 99  
Qy 61 CTATGTGTTTTGTATACACTCGGGAATTTCTTTATGTGATAGTGCACCTTAACCTGGCATA 120  
Db 100 CTATGTGTTTTGTATACACTCGGGAATTTCTTTATGTGATAGTGCACCTTAACCTGGCATA 159  
Qy 121 TCCAAATCTCTCCCTGGAAATTTAAGTTGTTTGTGGACACCGCAACACAAACCGATGACTC 180  
Db 160 TCCAAATCTCTCCCTGGAAATTTAAGTTGTTTGTGGACACCGCAACACAAACCGATGACTC 219  
Qy 181 CTTTCTCTCACCTGCTGGAGCCCCAAACAATTCGCTCGGCTTTGAGGGGGCTTCTGAAGC 240  
Db 220 CTTTCTCTCACCTGCTGGAGCCCCAAACAATTCGCTCGGCTTTGAGGGGGCTTCTGAAGC 279  
Qy 241 AATTGTTGAAGCTAAATTTAATTTCAAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT 300  
Db 280 AATTGTTGAAGCTAAATTTAATTTCAAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT 339  
Qy 301 CTTCCACTGTTGCTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACCTCACAGACAAACAC 360  
Db 340 CTTCCACTGTTGCTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACCTCACAGACAAACAC 399  
Qy 361 TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTTCGCCAGTAGTGTGATAA 420  
Db 400 TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTTCGCCAGTAGTGTGATAA 459  
Qy 421 CTGGGACATAGAGTGTGGATGAAAGGGGACTTGACATATTATCTCTCTCATATGGAGCC 480  
Db 460 CTGGGACATAGAGTGTGGATGAAAGGGGACTTGACATTAATCATCTCTCATATGGAGCC 519  
Qy 481 ATTACCTAAGAACCCCTTCAAGAAATTAAGTCTTAAGGTCCATCTTTTATATGATCTGCC 540  
Db 520 ATTACCTAAGAACCCCTTCAAGAAATTAAGTCTTAAGGTCCATCTTTTATATGATCTGCC 579  
Qy 541 TGAAGTCAATAGATGATTCGCTCTGCCCCCACTGAAAGACAGCTTTTCAGAGCTGTCCAATG 600  
Db 580 TGAAGTCAATAGATGATTCGCTCTGCCCCCACTGAAAGACAGCTTTTCAGAGCTGTCCAATG 639  
Qy 601 CAACCTGCAAGTCTTCGGGGATGTGAATGTGTCGCGGTACCCAGAGCCAAACTCAACTA 660  
Db 640 CAACCTGCAAGTCTTCGGGGATGTGAATGTGTCGCGGTACCCAGAGCCAAACTCAACTA 699  
Qy 661 CGCTCTTCTGATGTATTTGGAAATCACATCTGCCGTTGTAGTTTTCAGTCACTCTCAT 720  
Db 700 CGCTCTTCTGATGTATTTGGAAATCACATCTGCCGTTGTAGTTTTCAGTCACTCTCAT 759  
Qy 721 GTCACCTGAGCCCATGCTTGTGTGAACCCGATCCACCTTAGGTTTGCATATGGAAGT 780  
Db 760 GTCACCTGAGCCCATGCTTGTGTGAACCCGATCCACCTTAGGTTTGCATATGGAAGT 819  
Qy 781 CACAGATGATGGTAAATTTAAAGATTTCTTGGGACAGCCAAACAATGGCACCATTTCGCGT 840  
Db 820 CACAGATGATGGTAAATTTAAAGATTTCTTGGGACAGCCAAACAATGGCACCATTTCGCGT 879  
Qy 841 TCAATATCAGGTGAATAATTTAGAGAAATTTACAAATTTGTAAGAGAGGCTGCTGAAATGT 900  
Db 880 TCAATATCAGGTGAATAATTTAGAGAAATTTACAAATTTGTAAGAGAGGCTGCTGAAATGT 939  
Qy 901 CTCAGCTACATCTCTGCTGGTAGACAGTGTCTTCTCGGATCTTCATATGAGGTCCAGGT 960  
Db 940 CTCAGCTACATCTCTGCTGGTAGACAGTGTCTTCTCGGATCTTCATATGAGGTCCAGGT 999  
Qy 961 CAGGAGCAAGAGACTGGATGTTTCAGGAGTCTGGAGTCACTGGAGTTCACCTCAAGTCTT 1020  
Db 1000 CAGGAGCAAGAGACTGGATGTTTCAGGAGTCTGGAGTCACTGGAGTTCACCTCAAGTCTT 1059



QY 1021 TACCACACAAGATGTTGTCATATTTTCCACCCCAAAATTTCTGACTAGTGTGGATCGAATGC 1080  
DB 1060 TACCACACAAGATGTTGTCATATTTTCCACCCCAAAATTTCTGACTAGTGTGGATCGAATGC 1119  
QY 1081 TTCTTTTCAATTCATCTACAAAAAGAAACAGAGATTATCTCTCAAAACACATAGTTTG 1140  
DB 1120 TTCTTTTCAATTCATCTACAAAAAGAAACAGAGATTATCTCTCAAAACACATAGTTTG 1179  
QY 1141 GTGGAGGAATCTAGCTGAGAAAAATCCCTGAGATACAGTACAGCAATTTGTGAGTGACCGAGT 1200  
DB 1180 GTGGAGGAATCTAGCTGAGAAAAATCCCTGAGATACAGTACAGCAATTTGTGAGTGACCGAGT 1239  
QY 1201 TAGCAAAAGTTACTTCTTCCAACTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGA 1260  
DB 1240 TAGCAAAAGTTACTTCTTCCAACTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGA 1299  
QY 1261 CGCAGTGTACTCTGCAATGAGCAGCGTGCCATCACCGCTATGCTGAATTATACGTGAT 1320  
DB 1300 CGCAGTGTACTCTGCAATGAGCAGCGTGCCATCACCGCTATGCTGAATTATACGTGAT 1359  
QY 1321 CGATGTCAATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAATGACTTGCAG 1380  
DB 1360 CGATGTCAATATCAATATATCATGTGAAACTGACGGGTACTTAACTAAATGACTTGCAG 1419  
QY 1381 ATGGTCACCCAGACACAAATCACTAGTGGGAAGCACTGTGCAGCTGAGGTATCACAG 1440  
DB 1420 ATGGTCACCCAGACACAAATCACTAGTGGGAAGCACTGTGCAGCTGAGGTATCACAG 1479  
QY 1441 GCGCAGCTGTATTGTCTGATGATCCATCTATTATCTATCTAGCTGTGAGCCCAAAACCTG 1500  
DB 1480 GCGCAGCTGTATTGTCTGATGATCCATCTATTATCTATCTAGCTGTGAGCCCAAAACCTG 1539  
QY 1501 CGTCTTTACAGAGAGCGGCTTTTATGAATGTGTTTTCCAGCCAACTCTTTCTATTATCTGG 1560  
DB 1540 CGTCTTTACAGAGAGCGGCTTTTATGAATGTGTTTTCCAGCCAACTCTTTCTATTATCTGG 1599  
QY 1561 CTATCAATGTGGATCAGATCAACATCTTTTAGTGTCACTTGACTGCTGCCACCAACCTG 1620  
DB 1600 CTATCAATGTGGATCAGATCAACATCTTTTAGTGTCACTTGACTGCTGCCACCAACCTG 1659  
QY 1621 TGTCTCTCTGACTCGTATGATAAACCACTACTCTCATCTAACTGATAAAGCAGAGATTAC 1680  
DB 1660 TGTCTCTCTGACTCGTATGATAAACCACTACTCTCATCTAACTGATAAAGCAGAGATTAC 1719  
QY 1681 TGTAAACACTGGATTATTGAAAGTATCTTTGGGAAAGCCAGTCTTTCCGGAGAAATAACCT 1740  
DB 1720 TGTAAACACTGGATTATTGAAAGTATCTTTGGGAAAGCCAGTCTTTCCGGAGAAATAACCT 1779  
QY 1741 TCAATTCAGATTCGATATGGCTTAAGTGGAAAGAAATACAAATGGAAGACACATGAGT 1800  
DB 1780 TCAATTCAGATTCGATATGGCTTAAGTGGAAAGAAATACAAATGGAAGACACATGAGT 1839  
QY 1801 ATTCCGATCAAAAGTCAAAAGTCTGCCAGCTGCTGTTGTCAGACCTCTGTGCACTCTATGT 1860  
DB 1840 ATTCCGATCAAAAGTCAAAAGTCTGCCAGCTGCTGTTGTCAGACCTCTGTGCACTCTATGT 1899  
QY 1861 GGTCCAGGTTCTGCTGCCGCGTGGATGGACTAGGATATTTGAGTAATTTGAGCAGTCC 1920  
DB 1900 GGTCCAGGTTCTGCTGCCGCGTGGATGGACTAGGATATTTGAGTAATTTGAGCAGTCC 1959  
QY 1921 AGCCTATACGCTTGTCTATGGATGTAAGTTTCTATGAGAGGCGCTGAATTTTGAGAAA 1980  
DB 1960 AGCCTATACGCTTGTCTATGGATGTAAGTTTCTATGAGAGGCGCTGAATTTTGAGAAA 2019  
QY 1981 AATGATGGGACGTTACTTAAAAAGGAGAGAAATGTCACTTGTCTTTGGAAGCCCTGCAC 2040  
DB 2020 AATGATGGGACGTTACTTAAAAAGGAGAGAAATGTCACTTGTCTTTGGAAGCCCTGCAC 2079  
QY 2041 GAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCCAAA 2100  
DB 2080 GAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCCAAA 2139

QY 2101 TGGGACGTGTCAGAGATGTGGGAAATCGGAAATCTCACTTTCCTGTGACAGAACCC 2160  
DB 2140 TGGGACGTGTCAGAGATGTGGGAAATCGGAAATCTCACTTTCCTGTGACAGAACCC 2199  
QY 2161 AGCGACACACTGTCTACAGTTCCTGCGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTTAA 2220  
DB 2200 AGCGACACACTGTCTACAGTTCCTGCGCTGTCAATTCCTCGGCGCTTCCCTTGTGAATTTAA 2259  
QY 2221 CCTTACCTTCTCATGGCCCATGAGTAAAGTGAGTCTGTGAGTCACTCAGTGTCTATCC 2280  
DB 2260 CCTTACCTTCTCATGGCCCATGAGTAAAGTGAGTCTGTGAGTCACTCAGTGTCTATCC 2319  
QY 2281 CCTGAGCAGACGTGTGTCTATCCCTTCTGAGCAGTGTCACTGATGATATAGTCTGTT 2340  
DB 2320 CCTGAGCAGCAGTGTGTCTATCCCTTCTGAGCAGTGTCACTGATGATATAGTCTGTT 2379  
QY 2341 ATATCTGCTTATTTGAATGGAAGATCCTTAAATGAAGATGGAATGAAGTGGCTTAGAAT 2400  
DB 2380 ATATCTGCTTATTTGAATGGAAGATCCTTAAATGAAGATGGAATGAAGTGGCTTAGAAT 2439  
QY 2401 TCCCTCGAATGTAAAAAGTTTTATATCCAGGTAATGTGTACT 2443  
DB 2440 TCCCTCGAATGTAAAAAGTTTTATATCCAGTAATTTTATT 2482

## RESULT 3

US-10-079-625-42  
; Sequence 42, Application US/10079625  
; Publication No. US20020182676A1  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: PastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/079,625  
; FILING DATE: 2002-FEB-19  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/864,564  
; FILING DATE: 28-MAY-1997  
; APPLICATION NUMBER: 08/708,123  
; FILING DATE: 03-SEP-1996  
; APPLICATION NUMBER: 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:

NAME: Meiklejohn, Ph.D., Anita L.	
REGISTRATION NUMBER: 35,283	
REFERENCE/POCKET NUMBER: 07334/019002	
TELECOMMUNICATION INFORMATION:	
TELEPHONE: 617-542-5070	
TELEFAX: 617-542-8906	
TELEX: 200154	
INFORMATION FOR SEQ ID NO: 42:	
SEQUENCE CHARACTERISTICS:	
LENGTH: 3854 base pairs	
TYPE: nucleic acid	
STRANDEDNESS: double	
TOPOLOGY: unknown	
MOLECULE TYPE: cDNA	
FEATURE:	
NAME/KEY: Coding Sequence	
LOCATION: 61...3546	
US-10-079-625-42	
Query Match	98.9%; Score 2433.4; DB 13; Length 3854;
Best Local Similarity	99.8%; Pred. No. 0;
Matches 2437; Conservative	0; Mismatches 6; Indels 0; Gaps 0
Qy	1 GAGGAATCGTTCTGCAATCCAGGTGTACACCTCTGAAGAAGATGATGTGCAGAAATT 60
Db	
Qy	18 GAGGAATCGTTCTGCAATCCAGGTGTACACCTCTGAAGAAGATGATGTGCAGAAATT 77
Db	
Qy	61 CTATGTGGTTTTGTTTACACTCGGGAATTTCTTTATGTGATAGCTGCACTTAACTCGGCATA 120
Db	
Qy	78 CTATGTGGTTTTGTTTACACTCGGGAATTTCTTTATGTGATAGCTGCACTTAACTCGGCATA 137
Db	
Qy	121 TCCAATCTCTCCCTGGAAATTTAAGTTGTTTGTGGACCCCGGAAACACACCGATGACTC 180
Db	
Qy	138 TCCAATCTCTCCCTGGAAATTTAAGTTGTTTGTGGACCCCGGAAACACACCGATGACTC 197
Db	
Qy	181 CTTTCTCTCACCTGCTGAGGCCCCAAAACAATGCCTCGGGTTTGAAGGGGGCTTCTGAAGC 240
Db	
Qy	198 CTTTCTCTCACCTGCTGAGGCCCCAAAACAATGCCTCGGGTTTGAAGGGGGCTTCTGAAGC 257
Db	
Qy	241 AATTGTTGAAGCTAAATTTAATCTCAAGTGGTATCTACGTTCTGTAGTTATCCAAACAGT 300
Db	
Qy	258 AATTGTTGAAGCTAAATTTAATCTCAAGTGGTATCTACGTTCTGTAGTTATCCAAACAGT 317
Db	
Qy	301 CTTCCACTGTGTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACCTCACAGACAAACAC 360
Db	
Qy	318 CTTCCACTGTGTTGGGAATGAGCAAGGTCAAAACTGCTCTGCACCTCACAGACAAACAC 377
Db	
Qy	361 TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTTGCCACAGTAGTGTTAAA 420
Db	
Qy	378 TGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTTGCCACAGTAGTGTTAAA 437
Db	
Qy	421 CTGGGACATAGAGTGTGGATGAAGGGGACCTTGACATTTATCATCTCTCATATGGAGCC 480
Db	
Qy	438 CTGGGACATAGAGTGTGGATGAAGGGGACCTTGACATTTATCATCTCTCATATGGAGCC 497
Db	
Qy	481 ATTACCTAAGAACCCCTTCAAGAAATTATGACTCTAAGGTCCATCTTTTATATGATCTGCC 540
Db	
Qy	498 ATTACCTAAGAACCCCTTCAAGAAATTATGACTCTAAGGTCCATCTTTTATATGATCTGCC 557
Db	
Qy	541 TGAAGTCATAGATGATTCGCCTCTGCCCCCACTGAAAGACAGCTTTCAGACTGTCCAATG 600
Db	
Qy	558 TGAAGTCATAGATGATTCGCCTCTGCCCCCACTGAAAGACAGCTTTCAGACTGTCCAATG 617
Db	
Qy	601 CAACCTGCAGTCTTCGGGGATGTGAATGTGCATGTGCCGGTACCAGAGCCAAACTCAACTA 660
Db	
Qy	618 CAACCTGCAGTCTTCGGGGATGTGAATGTGCATGTGCCGGTACCAGAGCCAAACTCAACTA 677
Db	
Qy	661 CGCTCTTCTGATGTATTTGGAAATCACAATCTGCGGGTGTAGTTTTTCACTCACTCTCAT 720
Db	
Qy	678 CGCTCTTCTGATGTATTTGGAAATCACAATCTGCGGGTGTAGTTTTTCACTCACTCTCAT 737
Db	
Qy	721 GTCACCTGCAGCCCATGCTTGTGTGTGAAACCCGATCCACCCCTTAGGTTTGCATATGGAAGT 780
Db	

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QY 1861 GGTCCAGGTTGCTGCGCGGTTGGATGGAGTCTAGGATATTCGAGTAATTCGAGCAGTCC 1920
Db 1878 GGTCCAGGTTGCTGCGCGGTTGGATGGAGTCTAGGATATTCGAGTAATTCGAGCAGTCC 1937
QY 1921 AGCCTATACGCTTGTTCATGGATGTAAGTTCTATGAGAGGCGCTGAATTTGGAGAA 1980
Db 1938 AGCCTATACGCTTGTTCATGGATGTAAGTTCTATGAGAGGCGCTGAATTTGGAGAA 1997
QY 1981 AATGGATGGGACGTTTACTAAAGAGAGAAATGTCACCTTGTGGAAGCCCTGAC 2040
Db 1998 AATGGATGGGACGTTTACTAAAGAGAGAAATGTCACCTTGTGGAAGCCCTGAC 2057
QY 2041 GAAATAGTCTCACTGTGTAGTGTGAGGAGTACGTGGTGAAGCATCGTACTGCCACAA 2100
Db 2058 GAAATAGTCTCACTGTGTAGTGTGAGGAGTACGTGGTGAAGCATCGTACTGCCACAA 2117
QY 2101 TGGGACGCTGGTCAAGAGATGTGGAAATCGGACCAATCTCACTTCTCTGGACAGAAC 2160
Db 2118 TGGGACGCTGGTCAAGAGATGTGGAAATCGGACCAATCTCACTTCTCTGGACAGAAC 2177
QY 2161 AGGCAACATGTTACAGTTCTGGCTGTCAATTCCTCGCGCTTCCCTTGTGAAATTTAA 2220
Db 2178 AGGCAACATGTTACAGTTCTGGCTGTCAATTCCTCGCGCTTCCCTTGTGAAATTTAA 2237
QY 2221 CCTTACCTTCTCATGGCCCATGTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 2280
Db 2238 CCTTACCTTCTCATGGCCCATGTAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 2297
QY 2281 CTGAGCAGCAGTGTGTCTCATCTTCTCTGGACACTGTCACTGTATGATTAATGATCTGTT 2340
Db 2298 CTGAGCAGCAGTGTGTCTCATCTTCTCTGGACACTGTCACTGTATGATTAATGATCTGTT 2357
QY 2341 ATATCTGTTATGTAATGAAGATCCTTAATGAAGATGAATGAATGAATGAATGAATGAAT 2400
Db 2358 ATATCTGTTATGTAATGAAGATCCTTAATGAAGATGAATGAATGAATGAATGAATGAAT 2417
QY 2401 TCCCTCGAATGTTAAAGTTTTATATCCACGGTATGTACT 2443
Db 2418 TCCCTCGAATGTTAAAGTTTTATATCCACGATAATTTATTT 2460

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RESULT 4

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US-10-278-733-14
; Sequence 14, Application US/10278733
; Publication No. US20030100480A1
; GENERAL INFORMATION:
; APPLICANT: Smith, Steven
; APPLICANT: Chen, Hubert
; APPLICANT: Farsese, Robert V Jr
; TITLE OF INVENTION: Methods and compositions for modulating
; TITLE OF INVENTION: sebaceous glands
; FILE REFERENCE: UCAL-105CIP4
; CURRENT APPLICATION NUMBER: US/10/278,733
; CURRENT FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: 10/040,315
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 09/339,472
; PRIOR FILING DATE: 1999-06-23
; PRIOR APPLICATION NUMBER: 60/107,771
; PRIOR FILING DATE: 1998-11-09
; PRIOR APPLICATION NUMBER: PCT/US98/17883
; PRIOR FILING DATE: 1998-08-28
; PRIOR APPLICATION NUMBER: 09/103,754
; PRIOR FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 2679
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS

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; LOCATION: (1)...(2679)
; OTHER INFORMATION: Mus musculus leptin receptor (Lepr) coding
; OTHER INFORMATION: sequence
US-10-278-733-14

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Query Match          97.1%; Score 2390.4; DB 15; Length 2679;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2394; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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QY	44	ATGATGTCTCAGAAATCTATGTGTGTTTGTACACTCGGAAATTTCTTTATGTGATGCT	103
Db	1	ATGATGTCTCAGAAATCTATGTGTGTTTGTACACTCGGAAATTTCTTTATGTGATGCT	60
QY	104	GCATTAACTTGGCCTATCCAAATCTCTCCCTGGAAATTTAAGTTGTTTGTGGACCAACG	163
Db	61	GCATTAACTTGGCCTATCCAAATCTCTCCCTGGAAATTTAAGTTGTTTGTGGACCAACG	120
QY	164	AACACAAACCGATGACTCTCTTCTCAGCTCTGAGGCCCAAAACAATTCGCTCGGCTTTG	223
Db	121	AACACAAACCGATGACTCTCTTCTCAGCTCTGAGGCCCAAAACAATTCGCTCGGCTTTG	180
QY	224	AAGGGGGCTTCTGAAGCAATTTGTTGAAGCTAAATTTAATCAAGTGGTATCTACGTTCT	283
Db	181	AAGGGGGCTTCTGAAGCAATTTGTTGAAGCTAAATTTAATCAAGTGGTATCTACGTTCT	240
QY	284	GAGTTATCAAAAACAGTCTTCCACTGTGTTCTTGGGAATGAGCAAGTCAAACTGCTCT	343
Db	241	GAGTTATCAAAAACAGTCTTCCACTGTGTTCTTGGGAATGAGCAAGTCAAACTGCTCT	300
QY	344	GCACCTACAGACAACACACTGAAGGAAGACACACTGGCTTCAGTAGTGAAGCTTCAGTTT	403
Db	301	GCACCTACAGACAACACACTGAAGGAAGACACACTGGCTTCAGTAGTGAAGCTTCAGTTT	360
QY	404	CGCCAGCTAGTGTAAACTGGGACATAGAGTGTGGATGAAGGGGACTTCGACATTAATTC	463
Db	361	CGCCAGCTAGTGTAAACTGGGACATAGAGTGTGGATGAAGGGGACTTCGACATTAATTC	420
QY	464	ATCTGTCTATGGAGCCATTAACCTAAAGAACCCCTTCAAGAATTTATGACTCTAAGGTCCAT	523
Db	421	ATCTGTCTATGGAGCCATTAACCTAAAGAACCCCTTCAAGAATTTATGACTCTAAGGTCCAT	480
QY	524	CTTTTATATGATCTGCCTGAAAGTCAATAGATGATTCGCTCTGCCCCCACTGAAGACAGC	583
Db	481	CTTTTATATGATCTGCCTGAAAGTCAATAGATGATTCGCTCTGCCCCCACTGAAGACAGC	540
QY	584	TTTCAGACTGTCCAATGCAACTGCGAGTCTTCCGGGATGTGAATGTCAATGTCGCGTACCC	643
Db	541	TTTCAGACTGTCCAATGCAACTGCGAGTCTTCCGGGATGTGAATGTCAATGTCGCGTACCC	600
QY	644	AGAGCCAACTCAACTACGCTCTTCTGATGTATTTGGAAATCAATCTGCCGGTGTGAGT	703
Db	601	AGAGCCAACTCAACTACGCTCTTCTGATGTATTTGGAAATCAATCTGCCGGTGTGAGT	660
QY	704	TTTCAGTCACTCTGATGTCACTCAGCCCACTGCTTGTGTGAAGCCGATCCACCCCTTA	763
Db	661	TTTCAGTCACTCTGATGTCACTCAGCCCACTGCTTGTGTGAAGCCGATCCACCCCTTA	720
QY	764	GGTTTGCATATGGAAGTCAAGATGATGTTAATTTAAAGATTTCTTGGGACAGCCAAACA	823
Db	721	GGTTTGCATATGGAAGTCAAGATGATGTTAATTTAAAGATTTCTTGGGACAGCCAAACA	780
QY	824	ATGSCACCAATTTCCGCTTCAATATCAGTGAATATTTAGAGAATTTTACAAATTTGAAGA	883
Db	781	ATGSCACCAATTTCCGCTTCAATATCAGTGAATATTTAGAGAATTTTACAAATTTGAAGA	840
QY	884	GAGGCTGCTGAAATTTGCTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCTCGGATCT	943
Db	841	GAGGCTGCTGAAATTTGCTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCTCGGATCT	900
QY	944	TCATATGAGGTCAGGTCAGGACAGACATGATGTTTCAGGAGTCTGAGTGTGCTGACCTGG	1003
Db	901	TCATATGAGGTCAGGTCAGGACAGACATGATGTTTCAGGAGTCTGAGTGTGCTGACCTGG	960

QY 1004 AGTTCACTCAAGTCTTTTACCAACAAGATGTTGTGTAATTTTCCACCCCAAAATTTGACT 1063  
 Db 961 AGTTCACTCAAGTCTTTTACCAACAAGATGTTGTGTAATTTTCCACCCCAAAATTTGACT 1020  
 QY 1064 AGTTGTTGGAATCGAATCTTTTCAATTCGATCTACAAAAGCAAAACAGATTATCTCC 1123  
 Db 1021 AGTTGTTGGAATCGAATCTTTTCAATTCGATCTACAAAAGCAAAACAGATTATCTCC 1080  
 QY 1124 TCAAAAACAGATAGTTTGGTGGAGGAATCTAGCTGAGAAAATCCCTCAGATACAGTACAGC 1183  
 Db 1081 TCAAAAACAGATAGTTTGGTGGAGGAATCTAGCTGAGAAAATCCCTCAGATACAGTACAGC 1140  
 QY 1184 ATTGTGAGTGACCGAGTTAGAAAAGTTACCTTCCAACTGAAAGCCACAGACCTCGA 1243  
 Db 1141 ATTGTGAGTGACCGAGTTAGAAAAGTTACCTTCCAACTGAAAGCCACAGACCTCGA 1200  
 QY 1244 GGGAACTTTTACCTATACAGCAGGTGACTGCTGCAATGAGCGCGTGCCATCACCGCTAT 1303  
 Db 1201 GGGAACTTTTACCTATACAGCAGGTGACTGCTGCAATGAGCGCGTGCCATCACCGCTAT 1260  
 QY 1304 GCTGAATTTACGTTGATCGATGCAATATCAATATATCATGTGAAACTGACGGGTACTTA 1363  
 Db 1261 GCTGAATTTACGTTGATCGATGCAATATCAATATATCATGTGAAACTGACGGGTACTTA 1320  
 QY 1364 ACTAAAATGACTTGCAGATGGTCACCCAGCACCAATCAATCACTAGTGGGAAGCACTGTG 1423  
 Db 1321 ACTAAAATGACTTGCAGATGGTCACCCAGCACCAATCAATCACTAGTGGGAAGCACTGTG 1380  
 QY 1424 CAGCTGAGGTATCACAGGCGCAGCTGTATGTCCTGATAGTCCATCTATTATCTCAGC 1483  
 Db 1381 CAGCTGAGGTATCACAGGCGCAGCTGTATGTCCTGATAGTCCATCTATTATCTCAGC 1440  
 QY 1484 TCTGAGCCCAAAACTGCTTCTACAGAGAGCGGCTTTTATGAATGCTTTTTCAGGCCA 1543  
 Db 1441 TCTGAGCCCAAAACTGCTTCTACAGAGAGCGGCTTTTATGAATGCTTTTTCAGGCCA 1500  
 QY 1544 ATCTTTCTATTATCTGGCTATACAATGTGGATCAGGATCAACCATCTTTTAGGTTCACIT 1603  
 Db 1501 ATCTTTCTATTATCTGGCTATACAATGTGGATCAGGATCAACCATCTTTTAGGTTCACIT 1560  
 QY 1604 GACTGCCCAACAGTGTCTCTCTGACTCGGTAGTAAACCACTACTCTCATCTAAC 1663  
 Db 1561 GACTGCCCAACAGTGTCTCTCTGACTCGGTAGTAAACCACTACTCTCATCTAAC 1620  
 QY 1664 GTAAGAGCAGAGATTACTGTAAACACTGGATATTTCAGAGTATCTTGGGAAAGCCAGTC 1723  
 Db 1621 GTAAGAGCAGAGATTACTGTAAACACTGGATATTTCAGAGTATCTTGGGAAAGCCAGTC 1680  
 QY 1724 TTTCCGGAGATAACCTTCAATTTCCAGATTCGATATGGCTTAAGTGGAAAAGAAATACAA 1783  
 Db 1681 TTTCCGGAGATAACCTTCAATTTCCAGATTCGATATGGCTTAAGTGGAAAAGAAATACAA 1740  
 QY 1784 TGAAGACATAGAGTATTGAGTCAAAAGTCAAAAGTCTGCCAGCTGTGTGTCAGAC 1843  
 Db 1741 TGAAGACATAGAGTATTGAGTCAAAAGTCAAAAGTCTGCCAGCTGTGTGTCAGAC 1800  
 QY 1844 CTCTGTGCACTTATGTGTCCAGTTCCTGCTGCCGCGTTCGATGGAAGTATGATGG 1903  
 Db 1801 CTCTGTGCACTTATGTGTCCAGTTCCTGCTGCCGCGTTCGATGGAAGTATGATGG 1860  
 QY 1904 AGTAATTGGAGCAGTCCAGCTATACGCTTGTCTGATGTAAGTTCCTATGAGAGG 1963  
 Db 1861 AGTAATTGGAGCAGTCCAGCTATACGCTTGTCTGATGTAAGTTCCTATGAGAGG 1920  
 QY 1964 CTTGAATTTTGGAGAAAAATGAGTGGGAGCGTTTACTTAAAGAGAGAGAAATGTCACTTG 2023  
 Db 1921 CTTGAATTTTGGAGAAAAATGAGTGGGAGCGTTTACTTAAAGAGAGAGAAATGTCACTTG 1980  
 QY 2024 CTTTGAAGCCCTGACGAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGTGAAG 2083  
 Db 1981 CTTTGAAGCCCTGACGAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGTGAAG 2040  
 QY 2084 CATCGTACTGCCCAACATGGAGCGTGGTCAGAAAGATGTCGGAATTCGGAACCAATCTCACT 2143

RESULT 5

US-08-779-457-8  
 ; Sequence 8, Application US/08779457  
 ; Publication No. US20020193571A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Carter, Paul J.  
 ; APPLICANT: Chiang, Nancy Y.  
 ; APPLICANT: Kyung, Jin Kim  
 ; APPLICANT: Matthews, William  
 ; APPLICANT: Rodriguez, Maria L.  
 ; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES  
 ; NUMBER OF SEQUENCES: 51  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.  
 ; STREET: 460 Point San Bruno Blvd  
 ; CITY: South San Francisco  
 ; STATE: California  
 ; COUNTRY: USA  
 ; ZIP: 94080  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: WinPatIn (Genentech)  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/779,457  
 ; FILING DATE:  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/667197  
 ; FILING DATE: 06/20/96  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/585005  
 ; FILING DATE: 01/08/96  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Lee, Wendy M.  
 ; REGISTRATION NUMBER: 40,378  
 ; REFERENCE/DOCKET NUMBER: P0986P2  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415/225-1994  
 ; TELEFAX: 415/952-9881  
 ; TELEX: 910/371-7168  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 2868 base pairs  
 ; TYPE: Nucleic Acid  
 ; STRANDEDNESS: Single  
 ; TOPOLOGY: Linear  
 ; US-08-779-457-8

Db 2041 CATCGTACTGCCCAACAATGGGACGTGGTCAGAAGATGTGGGAAATCGGACCAATCTCACT 2100  
 QY 2144 TTCCCTGTGGACAGAACACGAGCGCACACTGTTTACAGTTCTTGGCTGTCAATTTCCCTCGCGCT 2203  
 Db 2101 TTCCCTGTGGACAGAACACGAGCGCACACTGTTTACAGTTCTTGGCTGTCAATTTCCCTCGCGCT 2160  
 QY 2204 TCCCTTGTGAATTTTAACTTACCTTCTCATGGCCCATGAGTAAAGTGAAGTCTGTGGAG 2263  
 Db 2161 TCCCTTGTGAATTTTAACTTACCTTCTCATGGCCCATGAGTAAAGTGAAGTCTGTGGAG 2220  
 QY 2264 TCACCTCAGTGTCTTATCCCTGAGCAGCAGCTGTGTCTCTTCTTCTGACACACTGTCACT 2323  
 Db 2221 TCACCTCAGTGTCTTATCCCTGAGCAGCAGCTGTGTCTCTTCTTCTGACACACTGTCACT 2280  
 QY 2324 GATGATATTAGTCTCTTATATCTGCTTATGTAATGGAAGATCCTTAAATGAAGATGATGA 2383  
 Db 2281 GATGATATTAGTCTCTTATATCTGCTTATGTAATGGAAGATCCTTAAATGAAGATGATGA 2340  
 QY 2384 ATGAAGTGGCTTAGAATTTCCCTCGAATGTTAAAAAGTTTTATATCCACGGTATGTACT 2443  
 Db 2341 ATGAAGTGGCTTAGAATTTCCCTCGAATGTTAAAAAGTTTTATATCCACGATAATTTTAT 2400

Query Match		96.1%;	Score 2364.6;	DB 8;	Length 2858;	
Best Local Similarity		99.7%;	Pred. No. 0;			
Matches 2389;		Conservative	0;	Mismatches	4;	Indels 2; Gaps 2;
QY	1	GAGGAATCGTCTCTGCAAAATCCAGGTGTCACACCTCTGAAGAAAGATGATGTGTCAGAAAT	60			
DB	475	GAGGAATCGTCTCTGCAAAATCCAGGTGTCACACCTCTGAAGAAAGATGATGTGTCAGAAAT	534			
QY	61	CTATGTGGTGTGTTTACATCGGAAATTTCTTTATGTGATGATGCACTTAACTCTGGCAT	120			
DB	535	CTATGTGGTGTGTTTACATCGGAAATTTCTTTATGTGATGATGCACTTAACTCTGGCAT	594			
QY	121	TCCAATCTCTCCCTGGAAATTTAAGTGTGTTGTGGACCAACCAACCGATGACTC	180			
DB	595	TCCAATCTCTCCCTGGAAATTTAAGTGTGTTGTGGACCAACCAACCGATGACTC	654			
QY	181	CTTCTCTCACCTGCTGGAGCCCAAAACAATGCCTCGGCTTTGAAGGGGGCTTCTGAAGC	240			
DB	655	CTTCTCTCACCTGCTGGAGCCCAAAACAATGCCTCGGCTTTGAAGGGGGCTTCTGAAGC	714			
QY	241	AATGTGTGAAGCTAAATTTAATTCAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT	300			
DB	715	AATGTGTGAAGCTAAATTTAATTCAGTGGTATCTACGTTCTCTGAGTTATCCAAACAGT	774			
QY	301	CTTCCACTGTGCTTGGGAATGAGCAAGGTCAAACTGCTCTGCACTCACAGACAAAC	360			
DB	775	CTTCCACTGTGCTTGGGAATGAGCAAGGTCAAACTGCTCTGCACTCACAGACAAAC	834			
QY	361	TGAAGGGAAGACACTGGCTTTCAGTAGTGAAGGCTTCAGTTTTTCGCCAGCTAGGTGTAA	420			
DB	835	TGAAGGGAAGACACTGGCTTTCAGTAGTGAAGGCTTCAGTTTTTCGCCAGCTAGGTGTAA	894			
QY	421	CTGGGACATAGAGTGTGATGAAAGGGACCTTGACATTAATTCATCTGTCATATGAGGC	480			
DB	895	CTGGGACATAGAGTGTGATGAAAGGGACCTTGACATTAATTCATCTGTCATATGAGGC	954			
QY	481	ATTACTTAAGAACCCCTTCAAGAAATATGACTCTAAGGTGCAATCTTTATATGATCTGCC	540			
DB	955	ATTACTTAAGAACCCCTTCAAGAAATATGACTCTAAGGTGCAATCTTTATATGATCTGCC	1014			
QY	541	TGAAGTCATAGATGATTTGGCCCTCTGCCCACTGAAAGACAGCTTTCAGACTGTCCAATG	600			
DB	1015	TGAAGTCATAGATGATTTGGCCCTCTGCCCACTGAAAGACAGCTTTCAGACTGTCCAATG	1074			
QY	601	CAACTGCAGTCTTCGGGGATGTGAATGTCAATGTGCGGTACCCAGAGCCAAACTCAACTA	660			
DB	1075	CAACTGCAGTCTTCGGGGATGTGAATGTCAATGTGCGGTACCCAGAGCCAAACTCAACTA	1134			
QY	661	CGCTCTTCATGATGATTTGGAAATCAATCTGCGCGGTGAGTTTTCAGTCACTCTGAT	720			
DB	1135	CGCTCTTCATGATGATTTGGAAATCAATCTGCGCGGTGAGTTTTCAGTCACTCTGAT	1194			
QY	721	GTCACTGCAGCCCATGCTTGTGTGAACCCCATCCACCTTAGTGTTCATATGGAAGT	780			
DB	1195	GTCACTGCAGCCCATGCTTGTGTGAACCCCATCCACCTTAGTGTTCATATGGAAGT	1254			
QY	781	CACAGATGATGTAATTTAAGATTTCTTGGGACAGCCAAACAATGGCCACCAATTTCCGCT	840			
DB	1255	CACAGATGATGTAATTTAAGATTTCTTGGGACAGCCAAACAATGGCCACCAATTTCCGCT	1314			
QY	841	TCAATATCAGGTGAAATATTTAGAGAAATTTCAATTTGTAAGAGAGGCTGCTGAAATGT	900			
DB	1315	TCAATATCAGGTGAAATATTTAGAGAAATTTCAATTTGTAAGAGAGGCTGCTGAAATGT	1374			
QY	901	CTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCTCTGGATCTTCATATGAGGTCAGGT	960			
DB	1375	CTCAGCTACATCTCTGCTGGTAGACAGTGTGCTTCTCTGGATCTTCATATGAGGTCAGGT	1434			
QY	961	GAGGACGAAGACATGGATGGTTTCAAGGAGTCTGGAGTGTCACTGGAGTTCACTCTCAAGTCTT	1020			
DB	1435	GAGGACGAAGACATGGATGGTTTCAAGGAGTCTGGAGTGTCACTGGAGTTCACTCTCAAGTCTT	1494			
QY	1021	TACCACACAGATGTTGTGTTATTTTCCACCCCAAAATTTCTGACTAGTGTGGATCGAATGC	1080			
DB	1495	TACCACACAGATGTTGTGTTATTTTCCACCCCAAAATTTCTGACTAGTGTGGATCGAATGC	1554			
QY	1081	TTCTTTTCATTGTGATCTACAAAAACGAAATTTATCTCTCAAAACAGATAGTTTG	1140			
DB	1555	TTCTTTTCATTGTGATCTACAAAAACGAAATTTATCTCTCAAAACAGATAGTTTG	1614			
QY	1141	GTGGAGGAATCTAGCTGAGAAAAATCCCTGTAGANATACAGTACAGCATTTGTAGTACCGAGT	1200			
DB	1615	GTGGAGGAATCTAGCTGAGAAAAATCCCTGTAGANATACAGTACAGCATTTGTAGTACCGAGT	1674			
QY	1201	TAGCAAAAGTTACCTTCTCCAACTGAAACCAACAGACCTCGAGGGAAGTTTACCTATGA	1260			
DB	1675	TAGCAAAAGTTACCTTCTCCAACTGAAACCAACAGACCTCGAGGGAAGTTTACCTATGA	1734			
QY	1261	CGCAGTGTACTGCTGCAATGAGCAGCGTGCATCACCGCTATGCTGAATTTATACGTGAT	1320			
DB	1735	CGCAGTGTACTGCTGCAATGAGCAGCGTGCATCACCGCTATGCTGAATTTATACGTGAT	1794			
QY	1321	CGATGTCAATATCAATATATCATGTGAAACTGACGGGTACTTTAACTAAAAATGACTTGCAG	1380			
DB	1795	CGATGTCAATATCAATATATCATGTGAAACTGACGGGTACTTTAACTAAAAATGACTTGCAG	1854			
QY	1381	ATGTCACCCAGCACAATCCCAATCACTAGTGGAGCACTGTGCAGCTGAGTATACAG	1440			
DB	1855	ATGTCACCCAGCACAATCCCAATCACTAGTGGAGCACTGTGCAGCTGAGTATACAG	1914			
QY	1441	GCGCAGCCTGTATTGTCTCTGATAGTCCATCTATTTCATCTACGCTGAGCCCAAAAACTG	1500			
DB	1915	GCGCAGCCTGTATTGTCTCTGATAGTCCATCTATTTCATCTACGCTGAGCCCAAAAACTG	1973			
QY	1501	CGTCTTACAGAGAGCGGCTTTTATGAATGTGTTTTTCAGCCCAATCTTTCTATTATCTGG	1560			
DB	1974	CGTCTTACAGAGAGCGGCTTTTATGAATGTGTTTTTCAGCCCAATCTTTCTATTATCTGG	2033			
QY	1561	CTATCAATGTGGA-TCAGGATCAACCAATCTTTAGTGTTCAGTCTGCGCCCAACAGT	1619			
DB	2034	CTATCAATGTGGA-TCAGGATCAACCAATCTTTAGTGTTCAGTCTGCGCCCAACAGT	2093			
QY	1620	GTGTCCTTCTGACTCCGTAGTAAAAACCACTACCTCCATCTAAACGTAAGACAGAGATTA	1679			
DB	2094	GTGTCCTTCTGACTCCGTAGTAAAAACCACTACCTCCATCTAAACGTAAGACAGAGATTA	2153			
QY	1680	CTGTAAACACTGGATTTATGAAAGTATCTTGGGAAAGACCGAGTCTTTCCGGAGATAACC	1739			
DB	2154	CTGTAAACACTGGATTTATGAAAGTATCTTGGGAAAGACCGAGTCTTTCCGGAGATAACC	2213			
QY	1740	TTCAATTTCCAGATTCGATATGCTTAAAGTGAAGAAATACATGGAAGACACATGAGG	1799			
DB	2214	TTCAATTTCCAGATTCGATATGCTTAAAGTGAAGAAATACATGGAAGACACATGAGG	2273			
QY	1800	TATTTCGATGCAAGTCAAAAGTCTGCCAGCTGTGGTGTGTCAGACCTCTGTGAGTCTATG	1859			
DB	2274	TATTTCGATGCAAGTCAAAAGTCTGCCAGCTGTGGTGTGTCAGACCTCTGTGAGTCTATG	2333			
QY	1860	TGGTCCAGGTTTCGTCGCCGGTTGGATGACATAGGATATTTGGAGTAATTTGGAGAGTCT	1919			
DB	2334	TGGTCCAGGTTTCGTCGCCGGTTGGATGACATAGGATATTTGGAGTAATTTGGAGAGTCT	2393			
QY	1920	CAGCCTATACGCTTGTCTAGTGAATGTTTCAAGTTCCTATGAGAGGGCCCTGAAATTTGGAGAA	1979			
DB	2394	CAGCCTATACGCTTGTCTAGTGAATGTTTCAAGTTCCTATGAGAGGGCCCTGAAATTTGGAGAA	2453			
QY	1980	AAATGGATGGGAGCTTACTAAAAAGGAGAGAAATGTCACTTGTCTTTTGGAAAGCCCTCGA	2039			
DB	2454	AAATGGATGGGAGCTTACTAAAAAGGAGAGAAATGTCACTTGTCTTTTGGAAAGCCCTCGA	2513			
QY	2040	CGAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCACA	2099			
DB	2514	CGAAAAATGACTCACTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCACA	2573			
QY	2100	ATGGGACGTGTGTCAGAGATGTGGGAAATCGGACCAATCTCACCTTCTCTGTGGACAGAAC	2159			







344 GCACTCACAGACAACCTGAAGGGAAGACACTGGCTTCAGTAGTGAAGGCTTCAGTTTTT 403  
Db |||||  
301 GCACTCACAGGCAACACTGAAGGGAAGACGCTGGCTTCAGTGTGAAGCTTTAGTTTTT 360  
Qy |||||  
404 CGGCAGCTAGGTGTAACTCTGGGACATAGAGTGTCTGGATGAAGGGGACCTTGACATATTTC 463  
Db |||||  
361 CGCCAACTAGGTGTAACTCTGGGACATAGAGTGTCTGGATGAAGGGGACCTTGACATATTTC 420  
Qy |||||  
464 ATCTGTCAATGAGGACATTTACCTGAAGAACCCCTTCAAGAAATTTAGTACTCTAAGTCCAT 523  
Db |||||  
421 ATCTGTCAATGAGGACATTTACCTGAAGAACCCCTTCAAGAAATTTAGTACTCTAAGGTTTAC 480  
Qy |||||  
524 CTTTTATATGATCTGCTGAAGTCATAGATGATTTGCTCTGCCCCCACTGAAAGACAGC 583  
Db |||||  
481 CTTTTATATGATCTGCTGAAGTTATAGATGATTTGCTCTGCCCCCACTGAAAGACAGC 540  
Qy |||||  
584 TTTTCAGACTGTCCAAATGCAACTGCACTCTCGGAGATGTGAATGTCAATGTGCGGTATCCC 643  
Db |||||  
541 TTTTCAGACTGTCCAAATGCAACTGCACTCTCGGAGATGTGAATGTCAATGTGCGGTATCCC 600  
Qy |||||  
644 AGAGCCAAACTCAACTPACGCTCTCTGATGATTTTGGAAATCACATCTGCCGGTGTGAGT 703  
Db |||||  
601 AGAGCCAAAGTCAACTPACGCTCTCTGATGATTTTGGAAATCACATCTGCCGGTGTGAGT 660  
Qy |||||  
704 TTTTCAGTCACTCTGATGTCACTGCAAGCCCATGCTTTGTTGAAACCCCGATCCACCTTTA 763  
Db |||||  
661 TTTTCAGTCACTCTTAATGTCACTGCAAGCCCATGCTTTGTTGAAAGCCCGATCCACGCTG 720  
Qy |||||  
764 GGTTCATATGAAGTCAAGATGATGTAATTTAAAGATTTCTTTGGACAGCCAAACA 823  
Db |||||  
721 GGTTCGCTATGGAAGTCAAGATGATGTAATTTAAAGATTTCTTGAAGATTTCTACAATCTGA 840  
Qy |||||  
824 ATGGCACCAATTTCCGCTTCAATATCAGGTGAATATTTAGAGAAATTTCTACAATTTGAAGA 883  
Db |||||  
781 AAAGCACCAATTTCCACTTCAATATCAGGTGAATATTTAGAGAAATTTCTACAATCTGAAGA 840  
Qy |||||  
884 GAGGCTGCTGAAATTTGCTCAGCTACATCTCTGCTGTGATGACAGTGTGCTTCTCGATCT 943  
Db |||||  
841 GAGGCTGCTGAAATTTGCTCAGATACATCTCTGCTGTGATGACAGTGTGCTTCTCGGCT 900  
Qy |||||  
944 TCATATGAGTCCAGGTGAGGACGAAGACATGGATGTTTCAGGAGTCTGGAGTGAATGG 1003  
Db |||||  
901 TCATACGAGTCCAGGTGAGGACGAAGACATGGATGGCTCAGGAGTCTGGAGTGAATGG 960  
Qy |||||  
1004 AGTTCACTCAAGTCTTTACCAACAGATGTTGTGATTTTCCAGCCCAAAATTTCTGACT 1063  
Db |||||  
961 AGTTTACCTCAACTCTTTACCAACAGATGTCATGTATTTTCCACCCAAAATTTCTGAGG 1020  
Qy |||||  
1064 AGTGTGGATCGAATGCTTTTCAATTCATCTACAAAACGAAACCCAGATTTATCTCC 1123  
Db |||||  
1021 AGTGTGGATCCATGCTTCTTTGCTGCTACATAAANAATGAGAACAGACTATCTCC 1080  
Qy |||||  
1124 TCAAAACAGATAGTTTGGTGGAGGAATCTAGCTGAGAAAATCCCTGAGATACAGTACAGC 1183  
Db |||||  
1081 TCAAAACAAATAGTTTGGTGGATGAATCTAGCCGAGAAAGATCCCGGAGACAGTACAA 1140  
Qy |||||  
1184 ATTGTGAGTGCAGGTTAGAAAAGTTACTTCTCCAACTGAAAGCCACAGACTCGA 1243  
Db |||||  
1141 ACTGTGAGTGCACATTTAGCAAAAGTCACTTTCTCCAACTGAAAGCCACAGACTCGA 1200  
Qy |||||  
1244 GGGAAAGTTTACCTATGAGCGAGTGTACTGCTCAATGAGCAGCGGTGCCATCACCGCTAT 1303  
Db |||||  
1201 GGGAAAGTTTACCTATGAGCGAGTGTACTGCTCAATGAGCAGCGATGCCATCACCGCTAC 1260  
Qy |||||  
1304 GCTGAATTTATACGTGATCGATGCTCAATATCAATATATCATATGTAAGTGGGACTTTA 1363  
Db |||||  
1261 GCTGAATTTATATGATCGATGCTCAATATCAATATATCATATGTAAGTGGGACTTTA 1320  
Qy |||||  
1364 ACTAAAATGACTTGCAGATGGTTCACCCAGCACAATCCCAATATCATATGTTGGAAAGCACTGTG 1423  
Db |||||  
1321 ACTAAAATGACTTGCAGATGGTTCACCCAGCACAATCCCAATATCATATGTTGGAAAGCACTGTG 1380

## RESULT 8

US-08-779-457-6

; Sequence 6, Application US/08779457

; Publication No. US20020193571A1

1424 CAGCTGAGGTATCACAGCGGAGCCCTGTATTGTCTGTATAGTCCATCTATTATCTACTAG 1483  
Db |||||  
1381 CAGTTGAGGTATCACAGCGGAGCCCTGTACTGTCTCCGATAATCCATCTATTCTGCTCTACA 1440  
Qy |||||  
1484 TCTGAGCCCAAAAACCTGCGTCTTACAGAGAGCGGCTTTTATGAATGTGTTTTCCAGCCA 1543  
Db |||||  
1441 TCAGAGCTCAAAAACCTGCGTCTTACAGACAGATGGCTTTTATGAATGTGTTTTCCAGCCA 1500  
Qy |||||  
1544 ATCTTTCTATTATCTGGCTTATACAATGTGGATCGAGTCAAGCATCAACCATCTTTTGGTTTCACTT 1603  
Db |||||  
1501 ATCTTTCTATTATCTGGCTTATACAATGTGGATCGAGTCAACCATCTTTTGGTTTCACTT 1560  
Qy |||||  
1604 GACTCCCAACCAACGCTGTCTCTCTGACTCCGCTAGTAAACCACTACCTCCATCTATAAC 1663  
Db |||||  
1561 GACTCTCCCAACCAACGCTGTCTCTCTGACTCCGCTAGTAAACCACTACCTCCATCTAAT 1620  
Qy |||||  
1664 GTAAAGCAGAGATTTACTGTAAACACTGGAATTTTGAAGTATCTTTGGGAAAGCCAGTCT 1723  
Db |||||  
1621 GTAAAGCAGAGATTTACTATAAACACTGGATTTTGAAGTATCTTTGGGAAAGCCAGTCT 1680  
Qy |||||  
1724 TTTTCGGAGAAATAACCTTCAATTTCCAGATTCGATATGCTTAAGTGGAAAGAAATACAA 1783  
Db |||||  
1681 TTTTCAGAGATTAACCTTCAGTTCCAGATTCGATATGCTTAAGTGGAAAGAAATACAA 1740  
Qy |||||  
1784 TGGAGACACATGAGGTATTCGATGCAAAAGTCAAAAGTCTGCCAGGCTGCTGGTGTGAGC 1843  
Db |||||  
1741 TGGAGACACACGAGGTATTCGATGCAAAATCAAAATCGGCCAGGCTGCGCAGTGTGAGT 1800  
Qy |||||  
1844 CTCTGTGAGTCTATGTGGTCCAGTTTCGCTGCGCGGGTGGATGGAGTGGATATTTGG 1903  
Db |||||  
1801 CTCTGTGGGCTTATGTGGTACAGGTTTCGCTGCGCGGGTGGATGGAGTGGATATTTGG 1860  
Qy |||||  
1904 AGTAATTCGAGCAGTCCAGCCTTATACGCTTGTCTGATGATGTAAGTTCCTATGAGAGG 1963  
Db |||||  
1861 AGTAATTCGAGCAGTCCAGCCTTATACGCTTGTCTGATGATGTAAGTTCCTATGAGAGG 1920  
Qy |||||  
1964 CTTGAAATTTTGGAGAAAATGATGGGACGCTTACTAAAAAGGAGAGAAATGTCACCTTG 2023  
Db |||||  
1921 CTTGAAATTTGAGAAATTAATGATGGGATATTAATAAAGGAGAGAAATGTCACCTTG 1980  
Qy |||||  
2024 CTTTGGAAAGCCCTTGACGAAAATGACTCTGTGTAGTGTGAGGAGGTACGTGTGAGG 2083  
Db |||||  
1981 CTTTGGAAAGCCACTGATGAAAATGACTCACTGTGTAGTGTGAGGAGGTATGTGTGAGG 2040  
Qy |||||  
2084 CATGCTACTGCCCAAAATGGGACGCTGTCAGAGATGTGGGAAATCGGACCAATCTCACT 2143  
Db |||||  
2041 CATGCTACTGCCCAAAATGGGACATGGTCAAGATGTGGGAAATCAGACCAATCTCACT 2100  
Qy |||||  
2144 TTCTGTGAGACAGAACCAACGACGACACTGTACAGTTCCTGGGCTGTCAATTTCCCTCGCGCT 2203  
Db |||||  
2101 TTCTGTGGGACGAATCAGACACACTGTTCAGTTCCTGGCCATCAATTTCCATCGGTGCC 2160  
Qy |||||  
2204 TCCCTTGTGAATTTTAACTTACCTTCTCATGGCCCATGAGTAAAGTGAAGTCTGTGGAG 2263  
Db |||||  
2161 TCCCTTGTGAATTTTAACTTACCTTCTCATGGCCCATGAGTAAAGTGAATGCTGTGAG 2220  
Qy |||||  
2264 TCACCTCAGTGTCTTCCCTGAGCAGCAGCTGTGTCTCTCTTCCCTGACACTGTCACT 2323  
Db |||||  
2221 TCACCTCAGTGTCTTCCCTGAGCAGCAGCTGTGTCTCTCTTCCCTGACACTGTCACT 2280  
Qy |||||  
2324 GATGATTTAGTCTGTATTATCTGTGTTTGAATGGAAGATCTTTAATGAAGATGATGA 2383  
Db |||||  
2281 AATGATTTAGTCTGTATTATCTGGTTATGATGGAAGAACCTTAAATGATGATGGA 2340  
Qy |||||  
2384 ATGAAGTGGCTTAGAATTTCCCTCGAATGTTAAAAAGTTTTTATATCCAGGATGTGACT 2443  
Db |||||  
2341 ATGAAGTGGCTTAGAATTTCCCTCGAATGTTAAAAAGTTATATCCATGATAATTTTAT 2400

GENERAL INFORMATION:  
APPLICANT: Carter, Paul J.  
APPLICANT: Chiang, Nancy Y.  
APPLICANT: Kyung, Jin Kim  
APPLICANT: Matthews, William  
APPLICANT: Rodriguez, Maria L.  
TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES  
NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/779,457  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/667197  
FILING DATE: 06/20/96  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/595005  
FILING DATE: 01/08/96  
ATTORNEY/AGENT INFORMATION:  
NAME: Lee, Wendy M.  
REGISTRATION NUMBER: 40,378  
REFERENCE/DOCKET NUMBER: P0986P2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1994  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3102 base pairs  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
US-08-779-457-6

Query Match 68.8%; Score 1692.2; DB 8; Length 3102;  
Best Local Similarity 81.7%; Pred. No. 0;  
Matches 1981; Conservative 0; Mismatches 438; Indels 6; Gaps 2;  
QY 23 GGTGTACACCTCTGAAGAAGATGATGTGTCAGAAATCTATGTGGTTTGTACACTGG 82  
DB 106 GGTGTACTCTCTGAAGTAAAGATGATTTGTCAAAATTTCTGTGTGGTTTGTACATTGG 165  
QY 83 GAATTTCTTTATGTGATAGTCGACTTAACCTGGCATATCAATCTCCCTGGAAATTT 142  
DB 166 GAATTTATTTATGTGATGATCGGTTTAACTTGTCAATCAATTAATTTACCTTTGGAGATT 225  
QY 143 AAGTTGTTTGGACCAACCGAACAACCGGATGACTCTTTCTCTCACTGCTGGAGCC 202  
DB 226 AAGTTGTCTTGATGCCACCAATTCACCTATGACTACTTCTTTTGGCTGTGGAATC 285  
QY 203 CCAACAAATGCTCGGCTTTGAGGGGCTTCTGAAGCAATTTGTAAGCTAAATTTAAT 262  
DB 286 TCAAGAATACCTTCAAAATTCGAATGGACATTAAGACAGAGCTGTTGAACCTTAAGTTAAT 345  
QY 263 TCAAGTGGTATCTAGTCTCTCAGTTATCCAAACAGATCTTCCACTGTGTCTTTGGGAAT 322  
DB 346 TCAAGTGGTACTCACTTTCTAACTTATCCAAACAACTTTCCTCACTGTGTCTTGGAGT 405  
QY 323 GAGCAAGTCAAACTGCTCTGCACTCAAGACAACTGAGGGAAGACACTGGCTTCA 382  
DB 406 GAGCAAGTAGAACTGCTCTTATGTGTCAGACAACTTGAAGGAAGACATTTGTTTCA 465

QY 383 GTAGTGAAGGCTTCAGTTTTCGCCAGCTAGTGTAAACTGGACATAGAGTGTCTGGATG 442  
DB 466 ACAGTAAATTCCTTAGTTTTTCAACAATAGATGCAAACTGGAACATACAGTGTGGCTA 525  
QY 443 AAAGGGGACTTGCACATTAATTCATCTGTATATGGAGCCATTTACCTAAGAACCCCTTCAAG 502  
DB 526 AAAGGAGACTTAAATTAATTCATCTGTATGTGGAGTCATTTATTAAGAATCTATTAGG 585  
QY 503 AATTATGACTCTAAGGTCCTATCTTTTATATGATCTGCTGAAGTCATATGATGATTCGGCT 562  
DB 586 AATTATAACTATAAGGTCCTATCTTTTATATGTTCTGCTGAAGTGTGTAGAAAGATTCACT 645  
QY 563 CTGCCCCCACTGAAGAGACAGCTTTCAGACTCTCCAAATGCAACTGCAGTCTTCGGG--GA 619  
DB 646 CTGGTCCCCAAAGGAGGAGTTTTTCAGATGTTTCACTGCAATTCAGTGTTCATGAATGT 705  
QY 620 TGTGAATGTCTATGTGCCGTACCCAGAGCCAAACTCAACTACGCTCTTCTGATGTATTG 679  
DB 706 TGTGAATGTCTTGTGCTGTGCCAAACAGCCAAACTCAACGACACTCTCTTATGTGTTG 765  
QY 680 GAAATCACATCTGCCGGTGTGAGTTTTCAGTCACTCTCTGATGTCACTGACGCCCATGCTT 739  
DB 766 AAAATCACATCTGGTGGAGTAATTTTCCAGTCACTCTTAATGTCTAGTTCAGCCCCATAAT 825  
QY 740 GTTGTGAACCCGATCCACCCCTTAGGTTTGCATATGGAAGTCACAGATGATGTAATTTA 799  
DB 826 ATGGTGAAGCCCTGATCCACCAATTAGGTTTGCATATGGAATTCACAGATGATGTAATTTA 885  
QY 800 AAGATTTCTTGGGACAGCAAAACAATGGCACCATTTCCGCTTCAATATCAGGTGAAATAT 859  
DB 886 AAGATTTCTTGGTCCAGCCCACTTGGTACCAITTCACATTCATATCAAGTGAATAT 945  
QY 860 TTAGAGAAATTCACAA---TTGTAAGAGAGGCTGCTGAAATTTGCTCAGTACATCTCTG 916  
DB 946 TCAGAGAAATTCACAAAGTTATCAGAGAAGCTGCACAAAGATTGTCTCAGCTACATCCCTG 1005  
QY 917 CTGGTAGACAGTGTCTTCTGGATCTTCATATCAGGTCCAGGTGAGGAGCAAGAGACTG 976  
DB 1006 CTAGTAGACAGTATACITCTCTGGGTCTTCGTATGAGGTTCAGGTGAGGGGCAAGAGACTG 1065  
QY 977 GATGGTTTCAGGAGTCTGGAGTGACTGGAGTTTCACCTCAAGTCTTTTACCACACAAGATGT 1036  
DB 1066 GATGCCCCAGGAATCTGGAGTGACTGGAGTACTCTCTGTGCTTTTACCACACAAGATGTC 1125  
QY 1037 GTGTATTTTCCACCCAAATTTCTGACTAGTGTGATGCAATGCTTCTTTTCAATTCGATC 1096  
DB 1126 ATATACTTTTCCACCTAAATTTCTGACAAAGTGTGGGTCTAAATGTTTCTTTTCACTGCATC 1185  
QY 1097 TACAAAACGAAACCAAGATTATCTCTCAAAACAGATAGTTTGGTGGAGGAATCTAGCT 1156  
DB 1186 TATAGAGAGGAAACAAGATTGTCCCTCAAAAGAGATTGTTGGTGGATGAATTTAGCT 1245  
QY 1157 GAGAAATPCCCTGAGATACAGTACAGCATTTGTGAGTGACCCGAGTTAGCAAAAGTTACCTTC 1216  
DB 1246 GAGAAATPCTCAAGCCAGTATGATGTTGTGAGTGATCATGTTAGCAAAAGTTACTTTT 1305  
QY 1217 TCCAACTGAAAGCCACAGACCTTCGAGGGAAGTTTACCTATGAGCGAGTGTACTGTGTC 1276  
DB 1306 TTCAATCTGAATGAACCAAACTTCGAGGAAAGTTTACCTATGATGAGTGTACTGTGCTGC 1365  
QY 1277 AATGAGCAGGGTGCATCACTCCGCTATGCTGAATTTATACGTGATGCTGATGTCATATCAAT 1336  
DB 1366 AATGAACATGAATGCCATCATCGCTATGCTGAATTTATGATGATGATGTCATATCAAT 1425  
QY 1337 ATATCATGTGAAACTGACGGGTACTTAACTAAAAATGACTTCAGATGCTGCCAGCACA 1396  
DB 1426 ATCTCATGTGAACTGATGGGTACTTAACTAAATGACTTTCAGATGCTCAACCACTACA 1485  
QY 1397 ATCCAAATCACTAGTGGGAGACACTGTGCACTGAGGTATCACAGGCGAGGCTGTATTGT 1456  
DB 1486 ATCCAGTCACTTGGGGAAGCACTTTGCAATTTAGGTTATCATAGGAGCAGCCTTTACTGT 1545





APPLICANT: Myers, Martin  
TITLE OF INVENTION: METHODS OF TREATING OBSESSIVE  
FILE REFERENCE: 10276-071001  
CURRENT APPLICATION NUMBER: US/10/226,579  
CURRENT FILING DATE: 2002-08-23  
PRIOR APPLICATION NUMBER: US 60/314,976  
PRIOR FILING DATE: 2001-08-24  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 3  
LENGTH: 3800  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-226-579-3

Query Match		68.8%;	Score 1692.2;	DB 14;	Length 3800;
Best Local Similarity		81.7%;	Pred. No. 0;		
Matches 1981;		Conservative	0;	Mismatches 438;	Indels 6; Gaps 2;
QY	23	GGTGACACCTCTGAAGAAAGATGATGTCTCAGAAATTCATGTGGTTTGTACACTGG	82		
DB	173	GGGTACTCTCTGAAGTAAAGATGATTTCTCAAAATTCGTGTGGTTTGTACATTGG	232		
QY	83	GAATTTCTTATGTGATGACTGACTTAACCTGGGCATATCCAAATCTCTCCCTGGAAATTT	142		
DB	233	GAATTTATTTATGTGATTAACCTGTTTAACTTGTCTATATCCAAATTAATCTCTGGAGATTT	292		
QY	143	AAGTTGTTTGGGACCCGACCAACCGATGACTCTCTCTCACTCTCGGACC	202		
DB	293	AAGTTGTTGATGACCAACAAATCAACCTATGACTTCTCTTTGCTGCTGGACTC	352		
QY	203	CCAAACAATGCTCGGCTTTGAAGGGGCTCTGAAGCAATTTGTAAGCTAAATTTAAT	262		
DB	353	TCAAGATATCTTCAATTCGAATGGACATATGACAGCTGTTGACCTTAAGTTTAAAT	412		
QY	263	TCAAGTGGTATCTACGTTCTGATGATATCCAAAAAGCTTCCACTGTTGCTTTGGGAAT	322		
DB	413	TCAAGTGGTACTCACTTTTCTAACTATATCCAAAAAACAATTCCTCACTGTTGCTTGGAGT	472		
QY	323	GGACAGGTCAAACTGCTCTGACTCAGACACACACTGAAGGAAGACACTGCTTCA	382		
DB	473	GAGCAAGATAGAAACTGCTCTTATATGTCAGACAACTTGAAGGAAGACATTTGTTTCA	532		
QY	383	GTAGTGAAGGCTTCAGTTTTTCCGACGCTAGGTGTAACTGGGACATAGAGTCTGGATG	442		
DB	533	ACAGTAAATCTTTAGTTTTTCAACAATAGATGCAACTGGAACATACAGTCTGGCTA	592		
QY	443	AAAGGGGACTTGACATATATCTGTCTATATGAGGCAATTAACCTAAGAACCCCTTCAAG	502		
DB	593	AAAGGAGACTTAAATTAATCTGTTATGTTGAGTCAATTAATTAAGAACTATATTCAGG	652		
QY	503	AAATATGACTTAAGTCTCCATCTTTTATATGATGCTGCTGAATCATAGATGATTCGCT	562		
DB	653	AAATATACTTAAGTCCATCTTTTATATGTTCTGCTGAAAGTGTAGAATTAACCT	712		
QY	563	CTGCCCCACTGAAAGACAGCTTTTCAGACTGTCCTCAATGCACTGAGTCTTCGGG---	619		
DB	713	CTGGTTCCCAAAAAGGCAAGTTTTGAGTGTCTGCAATGCAATGCAATGTTTCAATGAT	772		
QY	620	TGTGAATGTATGTGCTGGTACCCAGAGCCAACTCAACTAGCTCTTCTGATGATTTTG	679		
DB	773	TGTGAATGTCTGCTGTGCTGCAACAGCCAACTCAAGACACTCTCTCTATGTGTTTG	832		
QY	680	GAATACATCTGCGGTGTGAGTTTTTCACTCACTCTGATGATGCTGAGCCCATGCTT	739		
DB	833	AAATACATCTGTTGGAGTAAATTTTCCAGTCACTCTAAATGTTGAGTTCAGCCATAAAT	892		
QY	740	GTGTGAAACCGATCCACCTTTAGTTTGGCATATGGAAGTCAAGATGATGATTAATTA	799		
DB	893	ATGGTGAAGCCCTGATCCACCATTAGTTTGGCATATGGAATCAAGATGATGATTAATTA	952		
QY	800	AAGATTTCTTGGGACAGCCAAACAATGGCACCATTTTCGCTTCAATATCAGGTGAATAT	859		

DB	953	AAGATTTCTTGGTCCAGCCACCATTGGTACCAATTTCCACTTCAATATCAAGTGAATAT	1012		
QY	860	TTAGAGAAATCTTACAA---TTGTAGAGAGAGGCTGCTGAAATTTGTCTCAGTACATCTCTG	916		
DB	1013	TCAGAGAAATTTACAAACAGTTATCAGAGAAGCTGCAAGATTTGTCTCAGCTACATCCCTG	1072		
QY	917	CTGTGAGACAGTGTGCTTCTCTGGATCTTCAATATAGAGTCCAGGTGAGGAGCAAGAGACTG	976		
DB	1073	CTAGTAGACAGTATATCTTCTGGGTCTTCGTATAGGTTCCAGTGGAGGCAAGAGACTG	1132		
QY	977	GATGTTTCAGGAGTCTGAGTGAATGAGTTCACCTCAAGTCTTTTACACACAAGATGTT	1036		
DB	1133	GATGCCCCAGGAATCTGGAGTGAATGAGTTCACCTCGTGTCTTTTACACACAAGATGTC	1192		
QY	1037	GTGTATTTTCCACCCAAATTTCTGACTAGTGTGATGCTGAATGCTTTTCTTTTCAATGCTATC	1096		
DB	1193	ATATATCTTTCCACCTTAAATTTCTGCAAGTGTGGGTCTAATGTTTCTTTTCACTGCTATC	1252		
QY	1097	TACAAAAACGAAAAACAGATTTATCTCTCAAAACAGATAGTTTGGTGGAGGAATCTAGCT	1156		
DB	1253	TATAGAAAGGAAAAACAAGATTTTCCCTCAAAAGAGATTTGTTTGGTGGATGAATTTAGCT	1312		
QY	1157	GAGAAAAATCCCTGAGATACAGTACAGCAATTTGTGAGTGACCGAGTTAGCAAAAGTTACCTTC	1216		
DB	1313	GAGAAAAATTCCTCAAGCCAGTATGATTTGTGAGTGATCATGTTAGCAAAAGTTACTTTT	1372		
QY	1217	TCCAACTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGACGAGTGTACTGCTGC	1276		
DB	1373	TTCAATCTGAATGAACCAAAACCTCGAGAAAGTTTACCTATGATGAGTGTACTGCTGC	1432		
QY	1277	AATGAGCAGGGCTGCCATCACCCTATGCTGAAATTTATACGTGATCGATGTCAATATCAAT	1336		
DB	1433	AATGAACATGAATGCCATCATGCTGCTGAATTTATATGATGATGATGATCAATATCAAT	1492		
QY	1337	ATATCATGTGAAATCGACGGGTACTTAACATAAATGACTTGCAGATGTCAACCCAGCA	1396		
DB	1493	ATCTCATGTGAAATCGATGGGTACTTAACTAAATGACTTGCAGATGTCAACCAAGTACA	1552		
QY	1397	ATCAATCACTAGTGGGAGCACTGTGAGTGTGAGTATCACGGCAGCTGTATTTGT	1456		
DB	1553	ATCAGTCACTTGGGGAAGCACATTTGCAATGAGGTATCATAGGAGCAGCTTTACTGT	1612		
QY	1457	CCTGATAGTCCATCTATTCTACCTCTGAGCCCAAAACTGCTCTTACAGAGAGAC	1516		
DB	1613	TCTGATATTCATCTATTCTCCCATATCTGAGCCCAAGATTTGCTATTTCAGAGTGT	1672		
QY	1517	GGCTTTTATGAATGTGTTTTCCAGCAATCTTTCTATTATCTGGCTATACAAATGAGTATC	1576		
DB	1673	GGTTTTTATGAATGCATTTTCCAGCCAACTTCTCTTATTTATCTGGCTACACAATGTTGAT	1732		
QY	1577	AGGATCAACATTTCTTAGGTTTCACTTGACTCGCCACCAAGTGTGCTTCTCTGACTCC	1636		
DB	1733	AGGATCAATCACTCTTAGGTTTCACTTGACTCTCCACCAATGTTGCTCTTCTGATTTCT	1792		
QY	1637	GTAGTAAACCACTACCTCCATCTAAACGTAAGCAGAGATTTACTGTAAACACTGGATTA	1696		
DB	1793	GTGTGAGACCACTGCTCCATCCAGTGTGAAGCAGAGAAATTAATATAAATTTGATTA	1852		
QY	1697	TTGAAAGTATCTTGGGAAAAGCCAGTCTTTCCGAGAAATAACCTTCAATTCAGATTCGA	1756		
DB	1853	TTGAAATATCTTGGGAAAAGCCAGTCTTTCCAGAGAAATAACCTTCAATTCAGATTCGC	1912		
QY	1757	TATGCTTTAGTGAAGAAATCAATGGAAGACATGAGGTATTCGATGCAAGTCA	1816		
DB	1913	TATGCTTTAGTGAAGAAAGATTAATGGAAGATGATGATGAGGTATGATGCAAAATCA	1972		
QY	1817	AAGTCTGCAGCTGCTGGTGTGAGCTCTGTGCTGCTATGTGGTTCAGGTTTCGCTGC	1876		
DB	1973	AAATCTGTGCTCTCCAGTTCAGACTTGTGTGCTGCTATGTGTTTTCAGGTTGCTGT	2032		
QY	1877	CGGCGTTGATGAGTATGAGTATTTGGAGTAAATTTGGAGCAGTCCAGCTTATACGCTTGC	1936		
DB	2033	AAGAGGCTAGATGAGTGGGATATTGGAGTAAATTTGGAGCAATCCAGCTACACAGTTGCT	2092		

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QY 1937 ATGGATGTAAGTTTCCTATGAGAGGGCTGAATTTTGGAGAAAAATGATGGGACGTT 1996
D 1938 |||||
D 2093 ATGGATATAAAAGTTTCCTATGAGAGACCTGAATTTTGGAGAAATTAATTAATGGAGATACT 2152
QY 1997 ACTAAAGAGGAGAGAAATGTCTACCTTGTCTTGGAGAGCCCTGACGAGAAATGACTCACTG 2056
D 2153 |||||
D 2153 ATGAAAGAGGAGAAATGTCTACTTACTTTTGGAGAGCCCTGATGAGAAATGACTCACTG 2212
QY 2057 TGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCACAATGGGACGTTGGTCAGAA 2116
D 2213 |||||
D 2213 TGCAGTGTTCAGAGATATGTGATAAACCATCATCTTCTGCAATGGAACATGGTCAGAA 2272
QY 2117 GATGTGGGAAATCGGACCAATCTCACTTCTCTGTGTGAGAGAACACGCGCACACTGTTACA 2176
D 2273 |||||
D 2273 GATGTGGGAAATCACACGAAATTCATCTTCTGTGTGAGAGAACACGACATCACTGTTACG 2332
QY 2177 GTTCTGGGTGCTCAATTCCTCGGCGCTTCCCTTGTGAAATTTTAACTTACCTTCTCATGG 2236
D 2333 |||||
D 2333 GTTCTGGCCATCAATTCGAATGGTGTCTTCTGTGCAAAATTTTAATTTAACTTTCATGG 2392
QY 2237 CCATGAGTAAAGTGTGAGTGTCTGTGAGTCACTCAGTGTCTTATCCCTGAGCAGCAGCTGT 2296
D 2393 |||||
D 2393 CCTATGAGCAAGTAAATATCTGTCAGTCACTCAGTGTCTTATCCCTTAAACAGCAGTGT 2452
QY 2297 GTCATCTTCTGAGACACTGTCACTGATGATTAATAGTCTGTATATCTGTTATTGAA 2356
D 2453 |||||
D 2453 GTGATTTGTTCTGGTACTATCACCCAGTGAATTAACAAGCTAATGTATTTATTATTGAG 2512
QY 2357 TCGAAGATCTTAATGAAGATCATGGAATGAAGTGTGCTTGAATTTCCCTCGAATCTTAAA 2416
D 2513 |||||
D 2513 TCGAAGATCTTAATGAAGATGGTGAATTAATGCTTTAGAATCTCTTCATCTGTTAAG 2572
QY 2417 AAGTTTATATCCAGGTATGTGTA 2441
D 2573 |||||
D 2573 AAGTATTATATCCATGATCATTTTA 2597
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## RESULT 11

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US-10-641-643-885
; Sequence 885, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; Suan G. Stuart
; Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
; GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/641,643
; FILING DATE: 14-Aug-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
```

```
;
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 885:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3800 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g1139594
; SEQUENCE DESCRIPTION: SEQ ID NO: 885 :
US-10-641-643-885
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Query Match 68.8%; Score 1692.2; DB 16; Length 3800;
Best Local Similarity 81.7%; Pred. No. 0;
Matches 1981; Conservative 0; Mismatches 438; Indels 6; Gaps 2;

QY 23 GGTGTACACCTCTGAAGAAAGATGATGTGCAGAAATCTATGTGGTTTGTACACATGG 82
D 173 |||||
D 173 GGTGTACTTCTCTGAAGTAAGATGATTTGTCAAAAATCTGTGTGTTTGTACATGG 232
QY 83 GAAATTTCTTTATGTATAGCTGCACCTTAACTGGCATATCAATCTCTCCCTGGAAATTT 142
D 233 |||||
D 233 GAAATTTATGTATAGCTGCCTTTAACTTGTCAATCAATCAATCTCTCTGGAGATTT 292
QY 143 AAGTTGTTTGTGACCAACCGAACACAAACGATGATCTCTCTCACTGTCTGGAGCC 202
D 293 |||||
D 293 AAGTTGTTGTCATGCCCAACCAATTTCAACCTATGACTACTTCTTTCCTGCTGCTGACTC 352
QY 203 CCAACATGCTCGGCTTTGAAGGGGCTTCTGAAGCAATTTGTTGAAGCTAAATTTAAT 262
D 353 |||||
D 353 TCAAGATGATCTACCTTCTGAGTTTCAAAAACAGTCTTCCACTGTGTCTTGGGAAAT 322
D 413 |||||
D 413 TCAAGTGTACTCACTTTTCTAACTTATCAAAAACACTTTCCACTGTGTCTTGGAGT 472
QY 323 GAGCAAGGTCAAACTGCTCTGCACTCAACAGCAACACTGAAGGGAAGACACTGCTTCA 382
D 473 |||||
D 473 GAGCAAGATAGAACTGCTCTTATGTGCAGACAACTTGAAGGAAAGACATTTGTTCAT 532
QY 383 GTAGTGAAGGCTTCAGTGTTCGCGCAGCTAGTGTAACTGGACATAGAGTGTCTGGAGT 442
D 533 |||||
D 533 ACAGTAAATCTCTTAGTTTTTCAACAATAGATGCAAACTGGAACATACAGTGTCTGCTA 592
QY 443 AAAGGGGACTTGACATTTATCTGTCAATGAGGCAATTTACCTAAGAACCCCTTCAAG 502
D 593 |||||
D 593 AAAGGAGACTTAAATTTATCTGTATGAGTCAATTTTAAAGAACTTATTCAGG 652
QY 503 AATTATGACTTAAGGTCCATCTTTTATATGATCTGCTGAGTCAATGATGATGATGCTT 562
D 653 |||||
D 653 AATTATAACTATAAGGTCCATCTTTTATATGTTCTGCTGAGTGTGTTAGAAGATTCACCT 712
QY 563 CTGCCCCCACTGAAAGACAGCTTTTCAAGTGTCCAACTGCAATGCACTGCTTCTCGG--GA 619
D 713 |||||
D 713 CTGTTTCCCCAAAGGCGAGTTTTCAGATGGTTTCACTGCAATTTGCAATGTTTCAATGAT 772
QY 620 TGTGAATGTCTATGTCCTGATACCCAGAGCCAACTCAACTACGCTCTTCTGATGATTTG 679
D 773 |||||
D 773 TGTGAATGTCTGTCCTGTCGCAACAGCCAACTCAACGACACTCTCTTATGTTGTTG 832
QY 680 GAAATCAATCTGCGGGTGTGAGTTTTCAGTCACTCTCTGATGTCTCTGAGGCCCATGCTT 739
D 833 |||||
D 833 AAAATCACTCTGGTGGAGTAAATTTTCCAGTCACTCTTAATGTCTAGTTTCAAGCCCAAT 892
QY 740 GTTGTGAACCCGATCCACCTTGTAGTTTGTATGGAAGTCAACAGATGATGTTAATTTA 799
D 893 |||||
D 893 ATGGTGAAGCCTGATCCACCATTTAGTTTGTATATGGAATTCACAGATGATGTTAATTTA 952
QY 800 AAGATTTCTTGGGACAGCAACCAATGGCACCATTTCCGCTTCAATATCAGTGTGAAATAT 859
D 953 |||||
D 953 AAGATTTCTTGGTCCAGCCCACTTGTGTACCATTTTCCACTTCAATATCAAGTGAATAT 1012
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Qy	860	TTAGAGAAATCTTACAA-- --TTGTAAAGAGAGGCTGCTGAAATGTCTCAGCTACATCTCTG	916
Db	1013	TCAGAGAAATCTTACAAACAGTATTACAGAGAAGCTGACAAGATGTCTCAGCTACATCCCTG	1072
Qy	917	CTGGTAGACAGTGTGCTTCTCTGGATCTTCATATGAGGTCCAGGTGAGGACAGAGACTG	976
Db	1073	CTAGTAGACAGTATACTTCTCTGGGTCTTCGTATGAGGTTCCAGGTGAGGGGCAAGAGACTG	1132
Qy	977	GATGGTTTCAGGAGTCTGGAGTGACTGAGATTACCTCAAGTCTTTTACACACACAAGATGTT	1036
Db	1133	GATGGCCCGGAATCTGAGTGACTGAGTACTCCTCGTGTCTTTACCAACAAGATGTC	1192
Qy	1037	GTGTATTTTCCACCCAAAAATCTGACTAGTGTGTGGATTCGAATGCTTCTTTTCAATGTGATC	1096
Db	1193	ATATACTTTCCACCCTAAATTTCTGACAAGTGTGTGGGTCTTAATGTCTTCTTTTCACTGCATC	1252
Qy	1097	TACAAAAACGAACACAGATTATCTCCTCAAAACAGATAGTTTGTGGTGGAGGAATCTAGCT	1156
Db	1253	TATAAGAAGGAACAAAGATTGTTCCTCAAAAGAGATTGTTGTGGATGAATTTAGCT	1312
Qy	1157	GAGAAAACTCCTGAGATACAGTACAGCAITGTGAGTGACCGAGTTAGCAAGATTACCTTC	1216
Db	1313	GAGAAAAATCTCTCAAAGCCAGTATGATGTTGTGAGTGATCATGTTAGCAAGTTACTTTT	1372
Qy	1217	TCCAACTTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGACGCAGTGTACTGCTGC	1276
Db	1373	TTCAATCTGAATGAACACCAACCTTCGAGGAAAGTTTACCTATGATGACGTGTACTGCTGC	1432
Qy	1277	AATGAGCAGCGTSCCATCAACCGCTATGCTGTAATATACGTGATCGATGTCATATCAAT	1336
Db	1433	ANTGAACATGAATGCCATCATCGCTATCTGTGAAATATATGTGATGATGATCAATATCAAT	1492
Qy	1337	ATATCATGTGAAACTGACGGGTACTTAACTAAATATGACTTGCAGATGGTCACCCAGCACCA	1396
Db	1493	ATCTCATGTGAAACTGATGGGTACTTAACTAAATATGACTTGCAGATGGTCAACAGTACA	1552
Qy	1397	ATCCAACTACTAGTGGGAAGCACTGTGCAGCTGAGGTATCACAGGCGCAGCCTGTATGTT	1456
Db	1553	ATCCAGTCACTTCGGGAAGCACTTTGCAATGAGGTATCATAGGACGACCTTTTACTGT	1612
Qy	1457	CCTGATAGTCCATCTATTCACTCTACGCTCGAGCCCAAAACTCGCTTTCACAGAGAGAC	1516
Db	1613	TCGTGATATTCAATCTATTCAATCCATATCTGAGCCCAAGAGTTGCTATTTGCGAGATGAT	1672
Qy	1517	GGCTTTTATGAATGTGTTTTCCAGCCAACTTTTCTATTATCTGGCTATACAATGTGGATC	1576
Db	1673	GGTTTTTATGAATGCATTTTCCAGCCAACTCTTCTCTATTATCTGGCTACACAAATGTGGATT	1732
Qy	1577	AGGATCAACCATTTCTTTAGGTTCACTTGACTCGCCACCAACGTTGCTCTTCTGACTCC	1636
Db	1733	AGGATCAATCACTCTCTAGGTTCACTTGACTCTCTCCACCAACATGTGTCTTCTGATTTCT	1792
Qy	1637	GTAGTAAAAACACTACCTCCATCTAAACGTAAAAAGCAGAGATTACTGTAAACACTGGATTA	1696
Db	1793	GTGGTGAAGCCACTGCCCTCCATCCAGTGTGAAGCAGAAATTACTATAACATTTGATTA	1852
Qy	1697	TTGAAAGTATCTTGGGAAAAAGCCAGTCTTTTCGGAGAAATAACCTTCAATTTCCAGATTCGA	1756
Db	1853	TTGAAAAATATCTTGGGAAAAAGCCAGTCTTTTCCAGAGAAATAACCTTCAATTTCCAGATTCGC	1912
Qy	1757	TATGGCTTAAAGTGAAGAAGAAATACAAATGGAAGACACATGAGTATTCGATGCAAAAGTCA	1816
Db	1913	TATGGTTTTAAAGTGAAGAAGAAAGTACAAATGGAAGATGTATGAGGTTTTATGATGCAAAATCA	1972
Qy	1817	AAGTCTGCCAGCCTGCTGGTGTGAGACCTCTGTGCAGTCTATGTGGTCCAGGTTTCGCTGC	1876
Db	1973	AAATCTGTCACTCTCCAGTTCACAGCTTGTGTGCAGTCTATGCTGTTCAAGTTCGCTGT	2032
Qy	1877	CGCGGTTTGAAGTGAAGTATGAGATATGAGGTAAATTTGGAGCAGTCCAGCCTATACGTTTGTTC	1936
Db	2033	AAGAGGCTAGATGACTGGGATATGGAGTAAATTTGGAGCAATCCAGCCTACACAGTTGTC	2092

Qy	1937	ATGATGTAAAAAGTTCTCTATGAGAGGCGCTGAAATTTTGGAGAAAAATGGAGTGGGACGTT	1996
Db	2093	ATGCATATAAAAGTTCTCTATGAGAGGACCTGAAATTTTGGAGAAATAATTAATGAGATACT	2152
Qy	1997	ACTAAAAGAGAGAGAAATGTCACTTTCCTTTTGAAGCCCTGACGAAAATGACTCACATG	2056
Db	2153	ATGAAAAGGAGAAAAATGTCACTTTACTTTTGAAGCCCTGATGAAAAATGACTCATTTG	2212
Qy	2057	TGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCACAAATGGGACGCTGGTCAGAA	2116
Db	2213	TGCAGTGTTCAGAGATATGTGATAAACCATCATACTTCTGCAATGGAAATGCTGCAGAA	2272
Qy	2117	GATGTGGGAAATCGGACCAATCTCACTTTCTGTGGACAGAAACGAGCGCACACTGTTACA	2176
Db	2273	GATGTGGGAAATCACAGGAAATTCACTTTCTGTGGACAGACGACACATACTGTTACG	2332
Qy	2177	GTTCCTGCTGTCAATTCCTCGGGCGCTTCCTCTGTGGAATTTTAACTTACCTTCTCATGG	2236
Db	2333	GTTCGCGCCATCAATTCAATTTGGTGTCTCTGTTCGCAATTTTAAATTTTAACTTTTCATGG	2392
Qy	2237	CCCATGATGAAGTGAAGTGTCTGTGGAGTCACTCAGTGCCTTATCCCTGAGCAGCAGCTGT	2296
Db	2393	CCATATGAGCAAGTAAATATCGTGCAGTCACTCAGTGCCTTATCCTTTAAACAGCAGTTGT	2452
Qy	2297	GTCACTCTTCCTCGGACACTGTCACTCGATGATTTATAGTCTGTATTATCTCGGTTAATTGAA	2356
Db	2453	GTGAATTGTTTCTTGGAATACTATCACCAGTGATTAACAGCTAATGTATTTATATTGAG	2512
Qy	2357	TGGAAGATCCTTAATGAAGATGATGGAATGAAGTGGCTTAGAAATCCCTCGAAATGTTAAA	2416
Db	2513	TGGAAAAATCTTAATGAAGATGTTGAAATAAAATAGCTTAGAATCTCTTCATCTGTTAAG	2572
Qy	2417	AAGTTTATATATCACGGTATGTGTA	2441
Db	2573	AAGTATTATATCCATGATCATTTTAA	2597

## RESULT 12

US-08-779-457-1  
; Sequence 1, Application US/08779457  
; Publication No. US20020193571A1  
; GENERAL INFORMATION:  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Chiang, Nancy Y.  
; APPLICANT: Kyung, Jin Kim  
; APPLICANT: Matthews, William  
; APPLICANT: Rodrigues, Maria L.  
; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WinPatin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/779,457  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/667197  
; FILING DATE: 06/20/96  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/585005  
; FILING DATE: 01/08/96  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.



```

; REGISTRATION NUMBER: 40.378
; REFERENCE/DOCKET NUMBER: P0986P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4102 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
; TOPOLOGY: Linear
; US-08-779-457-1

Query Match      68.8%; Score 1692.2; DB 8; Length 4102;
Best Local Similarity 81.7%; Pred. No. 0;
Matches 1981; Conservative 0; Mismatches 438; Indels 6; Gaps 2;

QY 23 GGTGTACACCTCTGAAGAAAGATGATGTCAGAAATTCATGTGCTTTGTACACTGG 82
DB 106 GGTGTACTCTCTGAAGTAAGATGATTTGTCAAAATTCGTGGTGTGTATCATGG 165
QY 83 GAATTTCTTTATGTGATAGCTGACATTAACTGGCATATCCAATCTCTCCCTGGAAATTT 142
DB 166 GAATTTATTTATGTGATAACTCGGTTTAACTTTACTTGTCTATATCCAATTACTCTTTGGAGATTT 225
QY 143 AAGTTGTTTGGACCAACGACCAACGATGACTCTCTTCTCTCACTCTGCTGGAGCC 202
DB 226 AAGTTGTCTTGTGATGACCAACAAATTCACCTATGACTTCTCTTTTGGCTCTGCACTC 285
QY 203 CCAACAATAGCTCGCTTTTGAAGGGGCTCTGAAGCAATTTGTAAGCTAAATTTAAT 262
DB 286 TCAAGATACATTCAAATTCGAATGGAACATTAAGACAGCTGTTGAACCTAAGTTTAAAT 345
QY 263 TCAAGTGTATCTACGTTCTCTGAGTTTATCCAAAACAGTCTTCCACTGTTTGTGGAAT 322
DB 346 TCAAGTGTACTACATTTTCTAACTTATCCAAAACAACTTTCCACTGTTTGTCTCGGAGT 405
QY 323 GAGCAAGGTCAAACTGCTGCTGACTCAACAGACACACTGGAAGGAAGACACTGGCTTCA 382
DB 406 GAGCAAGATAGAACTGCTCTCTATGTGCAGACAAACATTTGAAGGAAGACATTTGTTTCA 465
QY 383 GTAGTGAAGGCTTCAGTTTTCGCCAGTAGTGTAACTGGGACATGAGTGTGGATG 442
DB 466 ACAGTAAATCTTTAGTTTTTCAACAATAGATGCAAACTGGAACATACAGTGTGGCTA 525
QY 443 AAAGGGGACTTGACATTTATCTGTCTATATGAGCAATACCTAAAGAACCCCTTCAAG 502
DB 526 AAAGGAGACTTAAATTTATCTGTTATGTGGAGTCATTTTAAAGAACTCTATTTCAGG 585
QY 503 AATTATGACTTAAAGTCCATCTTTTATATGATCTGCTGGAAGTCAATGATGATTCGGCT 562
DB 586 AATTATTAACATAAAGGTCATCTTTTATATGTTCTGCTGGAAGTGTAGAAGATTCACCT 645
QY 563 CTGCCCCACTGAAAGACAGCTTTCAGAGTGTCCAAATGCAATGCACTCTCGGG--GA 619
DB 646 CTGGTTCCCAAAAGGAGTGTTCAGATGGTTTCACTGCAATGCAAGTGTTCATGAATGT 705
QY 620 TGTGAATGTCTATGTGCGGTACCCAGAGCAAACTCAACTAGCTCTTCTGATGATTTTG 679
DB 706 TGTGAATGTCTGTGCTGTGCCAACAGACAGCAAACTCAACGACACTCTCTTATGTGTTTG 765
QY 680 GAAATCAGATCTGCGGTGTAGTTTTTCACTCACTCTGATGTCACTGAGGCCCATGCTTT 739
DB 766 AAAATCAGATCTGGTGGAGTAAATTTTCCAGTCACTCTAAATGTCACTTTCAGGCCATAAAT 825
QY 740 GTTGTGAACCCGATCCACCTTAGTGTGATATGGAAGTCAACAGATGATGTAATTTA 799
DB 826 ATGGTGAGCCCTGATCCACATTTAGTGTGCAATGGAATACAGATGATGGTAATTTA 885
QY 800 AAGATTTCTTGGGACAGCCAAACAAATGGCACCATTTCGCTTTCAATATCAGGTGAAATAT 859
DB 886 AAGATTTCTTGGTCCAGGCCCAACCATTTGGTACCATTTCCACTTCAATATCAAGTGAATAT 945

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QY 860 TTAGAGAAATCTACAA---TTGTAGAGAGGCGCTGCTGAAATTTGCTCTCAGCTACATCTCTG 916
DB 946 TCAGAGAAATCTTACAAACAGTTTATCAGAGAAAGCTGACAAAGATTGCTCAGCTACATCCCTG 1005
QY 917 CTGGTAGACAGTGTGCTTCTCTGGATCTTTCATATGAGGTCCAGGTGAGGAGCAAGAGACTG 976
DB 1006 CTAGTAGACAGTATACTTCTCTGGGTCTTCGTATGAGGTTTCAAGTGAAGGGCAAGAGACTG 1065
QY 977 GATGTTTCAAGAGTCTGAGTGAAGTGGAGTTCACTCAAGTCTTTTACACCAAGATGTT 1036
DB 1066 GATGGCCAGGAATCTGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT 1125
QY 1037 GTGTATTTTCCACCAAAATTTCTGACTAGTGTGCTGATGATGCTTCTTTTCAATTCGATC 1096
DB 1126 ATATATCTTTCCACCTTAAATTTCTGACAAAGTGTGGGTCTAATGTTTCTTTTCACTGCATC 1185
QY 1097 TACAAAAACGAAAAACAGATTTATCTCTCAAAAACAGATAGTGTGGTGGAGGAATCTAGCT 1156
DB 1186 TATAAGAGAGAAACAGATTTGTTCCCTCAAAAGAGATTTGTTGGTGAATGAATTTAGCT 1245
QY 1157 GAGAAATCCCTGAGATACAGTACAGCAATTTGTGAGTGACCGAGTTAGCAAAATTTACCTTC 1216
DB 1246 GAGAAATTTCTCAAAAGCCAGTATGATGTTGTGAGTGATCATGTTTGTAGCAAAATTTACTTTT 1305
QY 1217 TCCACCTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGAGCAAGTGTACTGCTGC 1276
DB 1306 TTCAATCTGAATGAACCAAAACCTCGAGAAAGTTTACCTATGATGAGTGTACTGCTGC 1365
QY 1277 AATGAGCAGGGGTGCCATCAACGCTATCTGAAATTTATACGTGATGATGTCATATCAAT 1336
DB 1366 AATGACATGAATGCCATCATGCTGATGCTGAATTTATGATGATGATGATGATGATGATGAT 1425
QY 1337 ATATCATGTGAAATCGACGGGTACTTAACTAAATGACTTGCAGATGCTGCCACCGACACA 1396
DB 1426 ATCTCATGTGAAATCGATGGGTACTTAACTAAATGACTTGCAGATGCTGCCACCGACACA 1485
QY 1397 ATCCAACTACTAGTGGGAAGCACTGTGCAGCTGAGGTATCACGGCAGCTGTATGTT 1456
DB 1486 ATCCAGTCACTTGGGGAAGCACTTTGCAATTTGAGGTATCATAGGAGCAGCTTTACTGT 1545
QY 1457 CTGATAGTCCATCTATTCTACCTCTAGCTCTGAGCCCAAAACTGCTCTTACAGAGAGAC 1516
DB 1546 TCTGATTTCCATCTATTCTATCCCATATCTGAGCCCAAGATTTGCTATTTCAGAGTGTAT 1605
QY 1517 GCGTTTATGAATGTGTTTTTCCAGCAATCTTTCTATTTATCTGGCTATACAAATGTGGATC 1576
DB 1606 GGTTTTATGAATGCAATTTTCCAGCAATCTTTCTATTTATCTGGCTACACAAATGTGGAT 1665
QY 1577 AGGATCAACCATTTCTTAGGTTTCACTTGACCTGCCCAACCAAGTGTCTCTCTGACTCC 1636
DB 1666 AGGATCAATCACTCTCTAGGTTTCACTTGACCTGCCCAACCAAGTGTCTCTCTGACTCT 1725
QY 1637 GTAGTAAACCACTACCTCCATCTAAACGTAAGAGAGAGATTAAGTGTAAACCACTGGATTA 1696
DB 1726 GTGGTGAAGCCACTGCTCCATCCAGTGTGAAGAGAGAGATTAAGTGTAAACCACTGGATTA 1785
QY 1697 TTGAAAGTATCTTGGGAAAAAGCCAGTCTTTCCGGAGAAATAACCTTCAATTCAGATTCGA 1756
DB 1786 TTGAAAGTATCTTGGGAAAAAGCCAGTCTTTCCAGAGAAATAACCTTCAATTCAGATTCGC 1845
QY 1757 TATGCTTAAAGTGAAGAAAGAAATACAAATGGAAGACACATGAGGTATTCGATGCAAGTCA 1816
DB 1846 TATGCTTAAAGTGAAGAAAGAAAGTAAATGGAAGATGATGAGGTTTATGATGCAAAATCA 1905
QY 1817 AAGTCTGCGAGCTGCTGGTGTACAGACCTCTGTGAGTCTATGTGGTCCAGGTTTCGCTGC 1876
DB 1906 AAACTGTGCTCTCCAGTTTCCAGACTTGTGTGAGTCTATGTGTTTCCAGTGGCTGT 1965
QY 1877 CGGCGTTTGGAGTGAAGTATTTGGAGTAAATTTGGAGCACTGCAGCTATACGCTTATACGTTGTC 1936
DB 1966 AAGAGGCTTAGTGGACTGGGATATTTGGAGTAAATTTGGAGCAATCCAGGCTACACAGTTGTC 2025

```





REFERENCE/DOCKET NUMBER: P0986P2

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1994

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 3004 base pairs

TYPE: Nucleic Acid

STRANDEDNESS: Single

TOPOLOGY: Linear

US-08-779-457-5

Query Match 68.7%; Score 1691; DB 8; Length 3004;  
Best Local Similarity 81.6%; Pred. No. 0;  
Matches 1981; Conservative 0; Mismatches 441; Indels 6; Gaps 2;

QY	20	CGAGGTGACACCTCTGAAGAAAGATGATGTGTCAGAAATCTATGTGTTTGTACAC	79
DB	190	CAAGGTGACTCTCTGAAGTAAGATGATTTGTCAAAATCTGTGTGTTTGTACAT	249
QY	80	TGGGAATTTCTTATGTGTAGTGTGACCTTAACCTGGCATATCCAATCTCTCCCTGGAA	139
DB	250	TGGGAATTTATTTATGTGTAACTGCGTTTAACTTGTGCATATCCAATTAATCTCTTGGAGA	309
QY	140	TTTAAGTGTGTTTGTGGACACCGAACACACCCGATGACTCTCTCTCACTGCTGGA	199
DB	310	TTTAAGTGTGTTGATGTCACCAATTTCACTATGACTACTTCTCTTGTGCTGCTGGA	369
QY	200	GCCCCAAACATGCTCGGCTTTTGAAGGGGCTTCTGAAGCAATTTGTGAAGCTAAATTT	259
DB	370	CTCTCAAGAAATCTTCAAAATTCGAATGACATTAATGACAGAGCTGTTGAACTAAGTTT	429
QY	260	AATTCAAGTGTATCTACCTTCTGAGTTATCCAAACAGCTTCCACGTGTTGCTTTGGG	319
DB	430	AATTCAAGTGTACTCACTTTTCTAACTTATCCAAACAACTTCCACTGTTGCTTTGG	489
QY	320	AATGAGCAAGGTCAAACTGCTGACCTCACAGACACACCTGAAGGGAAGACACTGGCT	379
DB	490	AGTGAGCAAGATAGAAACTGCTCTTATGTGCAGACACATTTGAAGGAAGACATTTGTT	549
QY	380	TCAGTAGTGAAGCTTCAGTTTTTCCAGCTAGGTGTAACCTGGGACATAGAGTGTGG	439
DB	550	TCNACAGTAAATCTTTAGTTTTTCAACAAATAGATGCAAACTGGAACATACAGTGTGG	609
QY	440	ATGAAGGGGACTTGACATTTATCTCTCATATGGAGCCATTAACCTAAGAACCCCTTC	499
DB	610	CTAAAGGAGACTTAAATTTATCTCTGTTATGTGGAGTCAATTTAAGAAATCTATTTC	669
QY	500	AAGAATTATGACTTAAGGTCCATCTTTTATATGATCTGCTGAAAGTCAATGATTCG	559
DB	670	AGGAATTATTAATTAAGGTCCATCTTTTATATGTTCTGCTGAAAGTGTGAAGATCA	729
QY	560	CCTCTGCCCCCTGAAAGACAGCTTTCAAGCTGTCCTCAATGCAACTGCACTCTCGGG--	617
DB	730	CCTCTGGTTCCCAAAAGGAGTTTTCAGATGTTTCACTGCAATTCAGTGTTCATGAA	789
QY	618	-GATGTGAATGTATGTCGGGTACCCAGAGCCAACTCACTAGCTCTTCTGATGTAT	676
DB	790	TGTTGTGAATGTCTGTGCTGTGCAACAGGCCAACTCAAGGACACTCTCTTATGTGT	849
QY	677	TTGGAATCACATCTGCCGTGTGAGTTTTCAGTCACTCTGATGTCATCTGAGCCCATG	736
DB	850	TTGAAATCACATCTGGTGGATTAATTTTCCAGTCACTCTTAATGTCACTGAGCCCAT	909
QY	737	CTTTGTGTGAACCCCGATCCACCTTAGGTTTGGCATATGGAAGTCAAGATCATGATTAAT	796
DB	910	AATATGGTGAAGCTGATCCACATAGGTTTGCATATGGAATCACAGATCATGTTAAT	969
QY	797	TTAAAGATTTCTTGGGACACGCAACAAATGGCAACATTTCCGCTTCAATPATCAGGTGAA	856
DB	970	TTAAAGATTTCTTGGTCCAGCCCAATTTGGTATGCAATTTCCACTTCAATPATCAAGTGA	1029

QY	857	TATTTAGAGAAATTTACAA---TTGTAGAGAGGCTGCTGAAATTTGTCTCAGCTACATCT	913
DB	1030	TATTCAGAGAAATTTCTACAAAGTTTATCAGAGAAGCTGACAAGATTTGTCTCAGCTACATCC	1089
QY	914	CTGCTGTAGACAGGTGCTCTCTCGATCTTCATATGAGGTCCAGGTGAGGAGCAAGAGA	973
DB	1090	CTGCTGTAGACAGGTATATCTCTCGGTCTTCGTATGAGGTTCAGGTGAGGAGCAAGAGA	1149
QY	974	CTGGAATGTTTCAAGGAGTCTGGAGTGTGACCTCAAGTCTTTTACCAACACAAGAT	1033
DB	1150	CTGGAATGCTCCAGGAATCTGGAGTGTGAGTACTCTCTGCTGTCTTTTACCAACACAAGAT	1209
QY	1034	GTGTGTATTTTCCACCAAAATTTCTGACTAGTGTGGATCGAATGCTTTTCAATGTC	1093
DB	1210	GTCAATATCTTTTCCACCTTAAATTTCTGACAAGTGTGGTCTAATGTTTCTTTTCACTGC	1269
QY	1094	ATCTCAAAACAGAAACCAAGATTTATCTCTCAAAACAGATAGTTTGGTGGAGGAATCTA	1153
DB	1270	ATCTATAAGAAAGGAACCAAGATTTGTTCCCTCAAAAGAGATTTGTTTGGTGGATGAATTA	1329
QY	1154	GCTGAGAAATCCCTTGAGATACAGTACAGCATTTGTGAGTGACCGAGTTAGCAAAAGTTACC	1213
DB	1330	GCTGAGAAATTTCTTCAAGCCAGTATGATTTGTGAGTGATCATGTTAGCAAAAGTTACT	1389
QY	1214	TTCTCCAACTGAAAGCCACAGACCTCGAGGGAAGTTTACCTATGAGCGAGTGTACTGC	1273
DB	1390	TTTTTCAATCTGAATGAACCAACCTCGAGGAAAGTTTACCTATGATGCACTGTACTGC	1449
QY	1274	TGCAATGAGCGGGTGCATCAACGGCTATGCTGTAATTTATAGTGATCGATGTCATATTC	1333
DB	1450	TGCAATGAACATGAATGCCATCATCGCTATGCTGAATTTATATGTTGATGTCATATTC	1509
QY	1334	AATATATCATCTGAACTGACGGGTACTTAATAAATGACTTGCAGATGGTCAACCCAGC	1393
DB	1510	AATATCTCATGTGAACCTGATGGGTACTTAACTAAATGACTTGCAGATGGTCAACCCAGT	1569
QY	1394	ACAATCCCAATCACTAGTGGGGAAGCACTGTGAGCTGAGGTATCACAGCGCAGCCTGTAT	1453
DB	1570	ACATCCAGTCACTTTCGGAAGCACTTTGCAATTTGAGGTATCATAGGAGCAGCCTTTAC	1629
QY	1454	TGCTCTGATGTCCATCTATTATCTATCTAGCTGAGCCCAAAACTGGGTCTTACAGAGA	1513
DB	1630	TGTTCTGATATTTCATCTATTCTATCCCATATCTGAGCCCAAAAGATTGCTATTGTCAGAGT	1689
QY	1514	GACGCTTTTATGATGTGTTTCCAGCCCATCTTTCTATTATCTGCTCTTACATGATGCG	1573
DB	1690	GATGGTTTTTATGAATGCAATTTTCCAGCCCAATCTTCTATTATCTGGGTACACAATGG	1749
QY	1574	ATCAGGATCAACCAATCTTTTAGGTTTCACTTGACTCGCCCAACCAACGTTGCTCTTCTGAC	1633
DB	1750	ATTAGGATCAATCACTCTCTAGGTTTCACTTGACTCTCCACCAATGTTGCTCTTCTGAT	1809
QY	1634	TCCGTAGTAAACCACTACCTCCATCTAAACGTAAAGCAGAGATTTCTGTAAACACTGGA	1693
DB	1810	TCTGTGGTGAAGCCACTGCTCCATCCAGTGTGAAGCAGAAATTTACTATAAACATTGGA	1869
QY	1694	TTATTTGAAGTATCTTGGGAAAGCCAGTCTTTCCGAGGAATTAACCTTCAATTCAGATTT	1753
DB	1870	TTATTTGAATATCTTGGGAAAGCCAGTCTTTTCCAGAGATAACCTTCAATTCAGATTT	1929
QY	1754	CGATATGCTTTAAGTGGAAAGAAATACAATGGAAGACACATGAGGTATTTGATGCAAG	1813
DB	1930	CGCTATGTTTATGTTGGAAGAAAGATACATTTGAAGATGTATGAGTTTATGATGCAAAA	1989
QY	1814	TCAAAGTCTGCAGCTGCTGGTGTGACAGCTCTGTGTCAGTCTATGTGGTCCAGGTTCCG	1873
DB	1990	TCAAAATCTGTGAGTCTCCAGTTCACAGCTTGTGTGTCAGTCTATGCTGTTTCCAGGTGCGC	2049
QY	1874	TGCCGCGGTTGGATGGATAGGATATTTGGAGATTAATTTGGAGCAGTCCAGCCTATACGCTT	1933
DB	2050	TGTAAGAGGCTAGATGGAATGAGGATATTTGGAGTAAATTTGGAGCAATCCAGCCTACACGTT	2109
QY	1934	GTCAATGATGTAAGTTTCTCTATGAGAGGGCTCTGAATTTTGGAGAAAAATGAGTGGGAC	1993

Db 2110 GTCAATGATATAAAGTTCCTATGAGAGACCTGAATTTTGGAGATAATTAATGGAGAT 2169  
QY 1994 GTTACTAAAAAGAGAGAAATGTCACCTTGTGTTTGGAGCCCTGACGAAAAATGACTCA 2053  
Db 2170 ACTATGAAAAAGAGAAAAATGTCACCTTGTGTTTGGAGCCCTGATGAAAAATGACTCA 2229  
QY 2054 CTGTGTAGTGTGAGGAGGTACGTGGTGAAGCATCGTACTGCCACAAATGGGACGTGGTCA 2113  
Db 2230 TTGTGCAGTGTTCAGAGATATGTGATAAACCAATCATACTTCTGCAATGGAAATGGTCA 2289  
QY 2114 GAAGATGTGGGAAATCGGACCAATCTCACTTTCTGTGTGACAGAAACGACGACACTGTT 2173  
Db 2290 GAAGATGTGGGAAATCAGACGAAATTCATTTCTGTGTGACAGAAACGACGACACTGTT 2349  
QY 2174 ACAGTTCTGGCTGTCAATTCCTCGCGCTTCCCTTGTGAAATTTTAAACCTTCACTTCTCA 2233  
Db 2350 ACGTTCTGGCCATCAATTCATTTGGTGTCTTCTGTGCAAAATTTTAAATTTAAACCTTTTCA 2409  
QY 2234 TGGCCCATCAGTAAGTGTGAGTGTGAGTCACTCAGTGTCTTATCCCTGAGCAGCAGC 2293  
Db 2410 TGGCCTATGAGCAAAAGTAAATATCGTGCAGTCACTCAGTGTCTTATCCTTTAAACAGCAGT 2469  
QY 2294 TGTGTCTATCCTTTCTGTGACACTGTCCACCTGATGATTATAGTGTGTTATTT 2353  
Db 2470 TGTGTGATTTCTGTGAGTACTATCACCAGTGTATCAAGCTAATGTATTTTATTT 2529  
QY 2354 GAATGGAAGATCCTTAATGAAGATGATGGAATGAAGTGTGCTTTAGAAATTCCTCGAATGTT 2413  
Db 2530 GAGTGGAAAAATCTTAATGAAGATGTTGAAATGAAATGAAATGCTTATCCTTCACTGTT 2589  
QY 2414 AAAAGTTTATATCCACGTTATGTGTA 2441  
Db 2590 AAGAAGTATTATATCCATGATCATTTTA 2617

## RESULT 15

US-10-214-802-5  
; Sequence 5, Application US/10214802  
; Publication No. US20030004109A1  
; GENERAL INFORMATION:  
; APPLICANT: Matthews, William  
; Bennett, Brian  
; TITLE OF INVENTION: WSX RECEPTOR  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WinPatIn (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/214,802  
; FILING DATE: 06-Aug-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/780,562  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: 08/585005  
; FILING DATE: 08-Jan-97  
; APPLICATION NUMBER: 60/  
; FILING DATE: 08-Jan-97  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.  
; REGISTRATION NUMBER: 40,378  
; REFERENCE/DOCKET NUMBER: P0986R1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1994  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3004 base pairs  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-10-214-802-5  
Query Match 68.7%; Score 1691; DB 14; Length 3004;  
Best Local Similarity 81.6%; Pred. No. 0;  
Matches 1981; Conservative 0; Mismatches 441; Indels 6; Gaps 2;  
QY 20 CCAGGTGTACACCTCTGAAGAAAGATGATGTGTGAGAAATTTCTATGTGGTTTGTGTACAC 79  
Db 190 CAAAGTGTACTCTCTGAAGTAAGATGATTTGTCAAAAATTTCTGTGTGTTTGTGTACAT 249  
QY 80 TGGGAATTTCTTTATGTGATAGTGTGCACTTAACTGGGATATCCAAATCTCTCCCTGGAAA 139  
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QY 140 TTTAAGTTTGTGTGGACCAACGACACAAACCGATGACTCTTTCTCTCACTCTGCTGGA 199  
Db 310 TTTAAGTTTGTGTGATGCCACCAATTTCAACCTATGACTACTTCTTTTGGCTGCTGGA 369  
QY 200 GCCCAAAACAATGCTCGCTTTTGAAGGGGCTTCTGAAGCAAAATTTGTGAAGCTAAAATTT 259  
Db 370 CTCTCAAGATATCTTCAAAATTCGAATGACATATGAGACAGCTGTTTGAACCTTAAGTTT 429  
QY 260 AATTCAAGTGTGATCTACGTTCTGAGTTATCCAAAACAGTCTTCCACTGTTGCTTTGGG 319  
Db 430 AATTCAAGTGTGATCTACTTTTCTAACTTATCCAAAACAACCTTTCCACTGTTGCTTTGG 489  
QY 320 AATGAGCAAGTCAAAAACCTGCTCTGCACTCAACAGACAACTGAAGGGAAGACACTGCT 379  
Db 490 AGTGAGCAAGATAGAAACTGCTCTTATGTGCAACAACATTTGAAGGAAGACATTTGTT 549  
QY 380 TCAGTAGTGAAGGCTTCAGTTTTTTCGCCAGCTAGTGTGTAACCTGGGACATAGAGTGTGG 439  
Db 550 TCNACAGTAAATTTCTTTAGTTTTTCAACAATAGATGCAAACTGGAACATACAGTGTGG 609  
QY 440 ATGAAAGGGGACTTGACATTTATCTGTCTATATGAGGCCATTTACCTAAGAACCCCTTC 499  
Db 610 CTAAGAGGAGACTTAAAAATTTATCTGTGTTATGTGGAGTCAATTTATTTAAGAATCTATTC 669  
QY 500 AAGAAATATGACTCTAAGGTCCATCTTTTATATGATCTGCTGAACTCATAGATCATTCG 559  
Db 670 AGGAATTATAACTAAGGTCCATCTTTTATATGTTCTGCTGAAAGTGTTAGAAGATTCA 729  
QY 560 CCTCTGCCCCCACTGAAAGACAGACTTTTCAGACTGTGTCCAATGCAACTGCAGTCTTCGGG - 617  
Db 730 CCTCTGGTTCCCAAAAAGGAGCTTTTCAGATGGTTTCACTGCAATTTGCAGTGTTCATGAA 789  
QY 618 -GATGTAATGTCAATGTGCGGTACCCAGAGCCAACTCAACTAGCTCTCTCTGATGTAT 676  
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QY 677 TTGGAATCATATCTGCGGTGTGAGTTTTTCAGTCACTCTGATGCTCACTCAGGCCCATG 736  
Db 850 TTGAAAATCATCTGTGGGAGTAAATTTTCCAGTCACCTCTAAATGTAGTTTTCAGGCCATA 909  
QY 737 CTGTGTGTAACCCGATCCACCTTTAGTTTTCATATGGAAGTCAAGATGATGTTTAT 796  
Db 910 AATATGTTGAAGCTGTATCCACCATTAGTTTTCATATGGAATTCACAGATGATGTTAT 969  
QY 797 TTAAGATTTCTTGGGACAGCCAAACAAATGGGACCAATTTCCGCTTCAATATCAGGTGAAA 856  
Db 970 TTAAGATTTCTTGGTCCAGGCCACCAATTTGGTACCAATTTCCACTTCAATATCAAGTGAAA 1029  
QY 857 TATTTAGAGAATTTCTACAA ---TTGTAAGAGAGGCTGCTGAAATTTGTCTCAGCTACATCT 913



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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: November 3, 2004, 23:02:25 ; Search time 23 Seconds  
(without alignments)  
2321.130 Million cell updates/sec

Title: US-08-599-974E-10  
Perfect score: 4321  
Sequence: 1 MMCOKFYVLLHWFELYVIA.....IPSNVKFYIHGMCTVLFMD 805

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:\*  
1: /cgn2\_6/ptodata/1/iaa/5A\_COMB.pep:\*  
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6: /cgn2\_6/ptodata/1/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4271	98.8	894	2	US-08-599-455B-2
2	4271	98.8	894	3	US-09-069-781B-2
3	4271	98.8	894	3	US-08-618-957A-12
4	4271	98.8	894	3	US-09-137-132-2
5	4271	98.8	894	3	US-08-864-564A-2
6	4271	98.8	894	4	US-09-094-410-2
7	4271	98.8	894	4	US-08-708-123D-2
8	4271	98.8	894	4	US-08-583-153A-2
9	4271	98.8	894	4	US-08-570-142D-2
10	4271	98.8	894	4	US-08-638-524B-2
11	4271	98.8	1162	2	US-08-599-455B-43
12	4271	98.8	1162	3	US-09-069-781B-43
13	4271	98.8	1162	3	US-09-137-132-43
14	4271	98.8	1162	3	US-08-864-564A-43
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18	4147	96.0	896	2	US-08-640-389A-12
19	4031	93.3	783	4	US-08-780-562-7
20	3991	92.4	1162	3	US-08-803-346-1
21	3983	92.2	895	3	US-08-827-962-19
22	3983	92.2	1162	3	US-08-827-962-15
23	3977	92.0	1162	3	US-08-827-962-20
24	3947	91.3	895	3	US-08-827-962-21
25	3355	77.6	804	4	US-09-116-676-10
26	3340	77.3	896	4	US-08-780-562-3
27	3340	77.3	923	4	US-08-780-562-4

28 3340 77.3 1165 2 US-08-599-455B-4 Sequence 4, Appli  
29 3340 77.3 1165 3 US-09-093-814-1 Sequence 1, Appli  
30 3340 77.3 1165 3 US-09-069-781B-4 Sequence 4, Appli  
31 3340 77.3 1165 3 US-08-618-957A-11 Sequence 11, Appli  
32 3340 77.3 1165 3 US-09-137-132-4 Sequence 4, Appli  
33 3340 77.3 1165 4 US-09-094-410-4 Sequence 4, Appli  
34 3340 77.3 1165 4 US-08-708-123D-4 Sequence 4, Appli  
35 3340 77.3 1165 4 US-08-583-153A-4 Sequence 4, Appli  
36 3340 77.3 1165 4 US-08-570-142D-4 Sequence 4, Appli  
37 3340 77.3 1165 4 US-08-780-562-2 Sequence 2, Appli  
38 3340 77.3 1165 4 US-08-638-524B-4 Sequence 4, Appli  
39 3328 77.0 896 3 US-08-618-957A-10 Sequence 10, Appli  
40 3328 77.0 896 4 US-09-357-914-33 Sequence 33, Appli  
41 3328 77.0 898 2 US-08-693-697-36 Sequence 36, Appli  
42 3328 77.0 906 3 US-08-618-957A-9 Sequence 9, Appli  
43 3328 77.0 906 4 US-09-357-914-32 Sequence 32, Appli  
44 3328 77.0 908 2 US-08-693-697-33 Sequence 33, Appli  
45 3328 77.0 958 3 US-08-618-957A-8 Sequence 8, Appli

#### ALIGNMENTS

RESULT 1  
US-08-599-455B-2  
; Sequence 2, Application US/08599455B  
; Patent No. 5972621  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT  
; TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/599,455B  
; FILING DATE: 22-JAN-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/017001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 894 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear

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; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-599-455B-2

Query Match
Best Local Similarity 98.8%; Score 4271; DB 2; Length 894;
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MMCQKPYVLLHWEFLYVIAALNLAYPISPWKFLLFCGPPNTTDDSFSPAGAPNNASAL 60
QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCCFNEQGQNSALTDNTEGKTLASVVKASVF 120
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DB 121 ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180
QY 181 FQTVQCNSLRGCECHVPVPRAKNLVALLMYLEITSAGVSFQSPMLSQPMLVVKDPDPL 240
DB 181 FQTVQCNSLRGCECHVPVPRAKNLVALLMYLEITSAGVSFQSPMLSQPMLVVKDPDPL 240
QY 241 GLHMEVTDGNIKISWDSQTWAPPLOYQVYKLENSTIVREAAEIVSATSLLDVSVLPDS 300
DB 241 GLHMEVTDGNIKISWDSQTWAPPLOYQVYKLENSTIVREAAEIVSATSLLDVSVLPDS 300
QY 301 SYEVQVRKRLDGSVWSDSPQVFTTQDVVYFPFKILTSGVSNASPHCIYKKNQIIS 360
DB 301 SYEVQVRKRLDGSVWSDSPQVFTTQDVVYFPFKILTSGVSNASPHCIYKKNQIIS 360
QY 361 SKQIIVWRNLAEKPIEIQYISIVSDRVSKVTFSNLKATPRGKFTYDQVYCCNEQACHRY 420
DB 361 SKQIIVWRNLAEKPIEIQYISIVSDRVSKVTFSNLKATPRGKFTYDQVYCCNEQACHRY 420
QY 421 AELVYIDVNIINISCTDGLTWTWCWSPSTIQSLVGSVQVLYRHSRLYCPDPSIHPT 480
DB 421 AELVYIDVNIINISCTDGLTWTWCWSPSTIQSLVGSVQVLYRHSRLYCPDPSIHPT 480
QY 481 SPKNCVLQDGFYECVQPIFLLGGYTWIRINHSLSGLSDSPPTCVLPDSVVKPLPSPN 540
DB 481 SPKNCVLQDGFYECVQPIFLLGGYTWIRINHSLSGLSDSPPTCVLPDSVVKPLPSPN 540
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DB 541 VKAEITVNTGLLKVSWKXPVFPENNLFQIRYGLSGKEIQWKEHVFDAKSKASLLVSD 600
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DB 601 LCAVYVQVRCRLDGLGVYNSWSPAYTLMDVKVPMRGPEFWRKMDGVTCKERNVTL 660
QY 661 LKPLTKDNLCSVRRYVVKHRTAHNGTWSVDGNTNLTLFWTEPAHTVTVLVNSLGA 720
DB 661 LKPLTKDNLCSVRRYVVKHRTAHNGTWSVDGNTNLTLFWTEPAHTVTVLVNSLGA 720
QY 721 SLVNFNLTFSPWMSKVSAVESLAYSPLSSCVILSWTSPDDYSLLYLVIEWKIINEDDG 780
DB 721 SLVNFNLTFSPWMSKVSAVESLAYSPLSSCVILSWTSPDDYSLLYLVIEWKIINEDDG 780
QY 781 MKWLRIIPSNVKKFYIH 796
DB 781 MKWLRIIPSNVKKFYIH 796

RESULT 2
US-09-069-781B-2
; Sequence 2, Application US/09069781B
; Patent No. 6287782
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
```

```

; APPLICANT: White, David W.
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/069,781B
; FILING DATE: 29-APRIL-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/864,564
; FILING DATE: 28-MAY-1997
; APPLICATION NUMBER: US 08/708,123
; FILING DATE: 03-SEP-1996
; APPLICATION NUMBER: US 08/638,524
; FILING DATE: 26-APR-1996
; APPLICATION NUMBER: US 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: US 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: US 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: US 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: US 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: US 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/082001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 894 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-09-069-781B-2

Query Match 98.8%; Score 4271; DB 3; Length 894;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MMCQKPYVLLHWEFLYVIAALNLAYPISPWKFLLFCGPPNTTDDSFSPAGAPNNASAL 60
QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCCFNEQGQNSALTDNTEGKTLASVVKASVF 120
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DB 121 ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180
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Db 301 SYEVQVRSKRLDGGSGVSDWSSPQVFTTQDVVYFPFKILTSVGSNASPHCIYKNEQIIS 360  
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Db 361 SKQIWMWENLAKEIPEIQSIYSDRVSKVTFPSNLKATPRGKFTYDAVYCCNEQACHRY 420  
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Db 421 AELVYDVNINISCTDGLTKMTCRWSPSTIQSLVSTVQLRYHRRSLYCPDPSIHT 480  
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Db 481 SEPKNVCLQRDGFYECVFPQIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPPSN 540  
QY 541 VKAEITVNTGLLKVSWEKPVFPENNLOQIRYGLSGKEIQWKTHEVFDKSKSALLVSD 600  
Db 541 VKAEITVNTGLLKVSWEKPVFPENNLOQIRYGLSGKEIQWKTHEVFDKSKSALLVSD 600  
QY 601 LCAYVVOVRCRRDLGLGYSWNSWSSPAYTLVMDVKVPMRGPEFWMKMDGDTVKKERNVTL 660  
Db 601 LCAYVVOVRCRRDLGLGYSWNSWSSPAYTLVMDVKVPMRGPEFWMKMDGDTVKKERNVTL 660  
QY 661 LKWLPTKNDLSLCSVRRYVVKHRTAHNGTWSVDGNGRTNLTFLWTEPAHTVTVLVANSLSGA 720  
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Db 781 MKWLRIIPSNVKKFYIH 796

## RESULT 3

US-08-618-957A-12  
; Sequence 12, Application US/08618957A  
; Patent No. 6355237

## GENERAL INFORMATION:

APPLICANT: Snodgrass, H. Ralph  
APPLICANT: Cioffi, Joseph  
APPLICANT: Zupancic, Thomas Joel  
APPLICANT: Shafer, Alan Wayne  
TITLE OF INVENTION: METHODS FOR USING THE OBESE  
TITLE OF INVENTION: GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC  
TITLE OF INVENTION: DEVELOPMENT

NUMBER OF SEQUENCES: 28

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of The Americas  
CITY: New York  
STATE: NY

COUNTRY: USA

ZIP: 10036-2811

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/618,957A

FILING DATE: 20-MAR-1996

CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Poissant, Brian M.

REGISTRATION NUMBER: 28,462

REFERENCE/DOCKET NUMBER: 008907-0033-999

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-493-4935

TELEFAX: 650-493-5556

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 894 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-618-957A-12

Query Match  
Best Local Similarity 98.8%; Score 4271; DB 3; Length 894;

Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MMCQKFFVYVLLHWEFLYVIAALNLAYPISPKFKLFCGPPNTTDDSFSPAGAPNNASAL 60

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Db 181 FOTVQCNSLRGCECHVPVPRAKNLYALIMYLEITSAGVSFOSPLMSLQPLMLVVKPDPPL 240

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Db 241 GLHMEVTDGDLNLKISWDSQWAPFPLOQVYKYLENSTIVREAAEIVSATSLIVDSVLPGS 300

QY 301 SYEVQVRSKRLDGGSGVSDWSSPQVFTTQDVVYFPFKILTSVGSNASPHCIYKNEQIIS 360

Db 301 SYEVQVRSKRLDGGSGVSDWSSPQVFTTQDVVYFPFKILTSVGSNASPHCIYKNEQIIS 360

QY 361 SKQIWMWENLAKEIPEIQSIYSDRVSKVTFPSNLKATPRGKFTYDAVYCCNEQACHRY 420

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Db 421 AELVYDVNINISCTDGLTKMTCRWSPSTIQSLVSTVQLRYHRRSLYCPDPSIHT 480

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Db 481 SEPKNVCLQRDGFYECVFPQIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPPSN 540

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Db 541 VKAEITVNTGLLKVSWEKPVFPENNLOQIRYGLSGKEIQWKTHEVFDKSKSALLVSD 600

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Db 601 LCAYVVOVRCRRDLGLGYSWNSWSSPAYTLVMDVKVPMRGPEFWMKMDGDTVKKERNVTL 660

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Db 661 LKWLPTKNDLSLCSVRRYVVKHRTAHNGTWSVDGNGRTNLTFLWTEPAHTVTVLVANSLSGA 720

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Db 781 MKWLRIPSNVKKFYIH 796

RESULT 4

US-09-137-132-2  
; Sequence 2, Application US/09137132  
; Patent No. 6380363  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/137,132  
; FILING DATE: 18-AUG-1998  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/864,564  
; FILING DATE: 28-MAY-1997  
; APPLICATION NUMBER: 08/708,123  
; FILING DATE: 03-SEP-1996  
; APPLICATION NUMBER: 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/019004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 894 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; FRAGMENT TYPE: internal  
US-09-137-132-2

Query Match 98.8%; Score 4271; DB 3; Length 894;

Best Local Similarity 100.0%; Pred. No. 0;  
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMCQKFFYVLLHWEFLYVIAALNLAYIPISPKWFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60  
Db 1 MMCQKFFYVLLHWEFLYVIAALNLAYIPISPKWFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60

QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCCEGNEQNCSTLTDTEGKTLASVVKASVF 120  
Db 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCCEGNEQNCSTLTDTEGKTLASVVKASVF 120

QY 121 ROLGVNWDIECWMKGDLLFICHMEPLPKNPKNYDSKVHLLYDLPEVIDDDSPPLPKDS 180  
Db 121 ROLGVNWDIECWMKGDLLFICHMEPLPKNPKNYDSKVHLLYDLPEVIDDDSPPLPKDS 180

QY 181 FQTVQCNCSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFOSPLMSLQPMVLVWKPDPPL 240  
Db 181 FQTVQCNCSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFOSPLMSLQPMVLVWKPDPPL 240

QY 241 GLHMEVTDGHLKISWDSQTMAPPLOYQVVKLENSTIVREAAEIVSATSLTSLVDSVLPDS 300  
Db 241 GLHMEVTDGHLKISWDSQTMAPPLOYQVVKLENSTIVREAAEIVSATSLTSLVDSVLPDS 300

QY 301 SYEVQVRSKRLDGGSGVSDWSQPQVFTTQDVVYFPFKILTSGVSNASPHCIYKNEQNIIS 360  
Db 301 SYEVQVRSKRLDGGSGVSDWSQPQVFTTQDVVYFPFKILTSGVSNASPHCIYKNEQNIIS 360

QY 361 SKQIVWMRNLAKEIPEIQIYSIVSDRVSKVTFSNLKATPRGKFTYDAVYCCNEQACHRY 420  
Db 361 SKQIVWMRNLAKEIPEIQIYSIVSDRVSKVTFSNLKATPRGKFTYDAVYCCNEQACHRY 420

QY 421 AELVYIDVINISCTDGYLTKMTCRWSPSTIOSLVGSTVOLRYHRSILYCPDPSIHP 480  
Db 421 AELVYIDVINISCTDGYLTKMTCRWSPSTIOSLVGSTVOLRYHRSILYCPDPSIHP 480

QY 481 SEPKNCVLQDGFYECVQPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540  
Db 481 SEPKNCVLQDGFYECVQPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540

QY 541 VKAEITVNTGLLKVSWEKVPFPENNLFQIRYGLSGKEIQWTHREVFDAKSASILLVSD 600  
Db 541 VKAEITVNTGLLKVSWEKVPFPENNLFQIRYGLSGKEIQWTHREVFDAKSASILLVSD 600

QY 601 LCAYVVOVRCERLDGLGYSNWSSPAYTLAMDVKVPMRGPEFWRKMDGDTVKKERNVTL 660  
Db 601 LCAYVVOVRCERLDGLGYSNWSSPAYTLAMDVKVPMRGPEFWRKMDGDTVKKERNVTL 660

QY 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSEDVGNRTNLTFLWTEPAHTVTVLVNLSGA 720  
Db 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSEDVGNRTNLTFLWTEPAHTVTVLVNLSGA 720

QY 721 SLVNFNLTFSPMSKVSAYLSAFLSSCVLSWTLSPDDYSLLYLVIENKILNEDDG 780  
Db 721 SLVNFNLTFSPMSKVSAYLSAFLSSCVLSWTLSPDDYSLLYLVIENKILNEDDG 780

QY 781 MKWLRIPSNVKKFYIH 796  
Db 781 MKWLRIPSNVKKFYIH 796

RESULT 5  
US-08-864-564A-2  
; Sequence 2, Application US/08864564A  
; Patent No. 6395498  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fish & Richardson, P.C.  
 STREET: 225 Franklin Street  
 CITY: Boston  
 STATE: MA  
 COUNTRY: US  
 ZIP: 02110-2804  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: Windows95  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/864,564A  
 FILING DATE: 28-MAY-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/708,123  
 FILING DATE: 03-SEP-1996  
 APPLICATION NUMBER: 08/638,524  
 FILING DATE: 26-APR-1996  
 APPLICATION NUMBER: 08/599,455  
 FILING DATE: 22-JAN-1996  
 APPLICATION NUMBER: 08/583,153  
 FILING DATE: 28-DEC-1995  
 APPLICATION NUMBER: 08/570,142  
 FILING DATE: 11-DEC-1995  
 APPLICATION NUMBER: 08/569,485  
 FILING DATE: 08-DEC-1995  
 APPLICATION NUMBER: 08/566,622  
 FILING DATE: 04-DEC-1995  
 APPLICATION NUMBER: 08/562,663  
 FILING DATE: 27-NOV-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meiklejohn, Ph.D., Anita L.  
 REGISTRATION NUMBER: 35,283  
 REFERENCE/DOCKET INFORMATION:  
 TELEPHONE: 617-542-5070  
 TELEFAX: 617-542-8906  
 TELEX: 200154

INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 894 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal  
 US-08-864-564A-2

Query Match 98.8%; Score 4271; DB 3; Length 894;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MMCKQFYVLLHWEFLYVIAALNLAIPSPKFKLFCGPPNTTDDSFSPAGAPNNASAL	60
Db	1	MMCKQFYVLLHWEFLYVIAALNLAIPSPKFKLFCGPPNTTDDSFSPAGAPNNASAL	60
Qy	61	KGASEAIVEAKFNSSGIVVPELSKTVFHCCEGNEQNCSTLTDNTEGKTLASVVKASVF	120
Db	61	KGASEAIVEAKFNSSGIVVPELSKTVFHCCEGNEQNCSTLTDNTEGKTLASVVKASVF	120
Qy	121	RLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDYSKVHLLYDLPEVIDDPSPLPKDS	180
Db	121	RLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDYSKVHLLYDLPEVIDDPSPLPKDS	180
Qy	181	FOTVQCNSLRCGECHVPVPRAKNALLMWLEITSAGVSFQSPPLMSQPLMWKPDPL	240
Db	181	FOTVQCNSLRCGECHVPVPRAKNALLMWLEITSAGVSFQSPPLMSQPLMWKPDPL	240
Qy	241	GLHVEVTDGKLSWDSQTWAPPLOVQVYKLENSTIVREAAEIVSATSLLVDSVLP	300
Db	241	GLHVEVTDGKLSWDSQTWAPPLOVQVYKLENSTIVREAAEIVSATSLLVDSVLP	300

Qy	301	SYEVQVRSKRLDGGGWSMDSSPQVFTTQDVVYPPKILTSVGSNASPHCIYKNNQIIS	360
Db	301	SYEVQVRSKRLDGGGWSMDSSPQVFTTQDVVYPPKILTSVGSNASPHCIYKNNQIIS	360
Qy	361	SKQIWWNENLAEKIPEIQSIYSDRVSKVTSNLSKATPRGKFTYDAYVCCNEQACHHRY	420
Db	361	SKQIWWNENLAEKIPEIQSIYSDRVSKVTSNLSKATPRGKFTYDAYVCCNEQACHHRY	420
Qy	421	AELVYVIDVNIINISCTDGYLTMTCRWSPSTIQSLVSGSTVQLRYHRRSLYCPDPSIHT	480
Db	421	AELVYVIDVNIINISCTDGYLTMTCRWSPSTIQSLVSGSTVQLRYHRRSLYCPDPSIHT	480
Qy	481	SEPKNCVLQORDGYECVFPQIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDPSVVKPLPPSN	540
Db	481	SEPKNCVLQORDGYECVFPQIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDPSVVKPLPPSN	540
Qy	541	VKAEITVNTGLLKVSWEKVPFPENNLOQIIRYGLSGKEIQWKTHEVFDKSKSASLLVSD	600
Db	541	VKAEITVNTGLLKVSWEKVPFPENNLOQIIRYGLSGKEIQWKTHEVFDKSKSASLLVSD	600
Qy	601	LCAVYVQVRCRLDGLGYWNSWSSPAYTLVMDVVKVPMRGPEFWKMDGDVTKKERNVTL	660
Db	601	LCAVYVQVRCRLDGLGYWNSWSSPAYTLVMDVVKVPMRGPEFWKMDGDVTKKERNVTL	660
Qy	661	LWKPLTKNDSLCSVRRYVYVVKHRTAHNGTWSVDVGNRTNLTFLWTEPAHTVTVLAVNSLGA	720
Db	661	LWKPLTKNDSLCSVRRYVYVVKHRTAHNGTWSVDVGNRTNLTFLWTEPAHTVTVLAVNSLGA	720
Qy	721	SLVNFNLTFSPWMSKVSAYESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG	780
Db	721	SLVNFNLTFSPWMSKVSAYESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG	780
Qy	781	MKWLRIIPSNVKKFYIH 796	
Db	781	MKWLRIIPSNVKKFYIH 796	

RESULT 6  
 US-09-094-410-2  
 ; Sequence 2, Application US/09094410  
 ; Patent No. 6403552  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tartaglia, Louis A.  
 ; APPLICANT: Tepper, Robert I.  
 ; APPLICANT: Culpepper, Janice A.  
 ; APPLICANT: White, David W.  
 ; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
 ; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
 ; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
 ; NUMBER OF SEQUENCES: 50  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson, P.C.  
 ; STREET: 225 Franklin Street  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: US  
 ; ZIP: 02110-2804  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: Windows95  
 ; SOFTWARE: FastSEQ for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/094,410  
 ; FILING DATE: 09-JUN-1998  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/864,564  
 ; FILING DATE: 28-MAY-1997  
 ; APPLICATION NUMBER: 08/708,123  
 ; FILING DATE: 03-SEP-1996  
 ; APPLICATION NUMBER: 08/638,524  
 ; FILING DATE: 26-APR-1996  
 ; APPLICATION NUMBER: 08/599,455

FILE	DATE	SCORE	DB	LENGTH	894	INDLS	GAPS	0
1	MMCKQFVYVLLHWEFLVYTAALNLAYPI	SPWKF	FCGPP	NTD	DSPLSPAGAPNNASAL	60		
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61	KGASEAIVEAKFNSSGIYVPELSKTVFHC	FCGNEQ	QNC	SALT	NTTEKTLASVVVKASVF	120		
61	KGASEAIVEAKFNSSGIYVPELSKTVFHC	FCGNEQ	QNC	SALT	NTTEKTLASVVVKASVF	120		
121	RLQGVNWDIECMWKGDLTLFICHMEPLPK	PNPNV	DSK	VHLLYLD	PEVIDDSPLPLKDS	180		
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181	FQTVQNCISURGCCHVPPRAKJANVALLM	YLEITS	SAGVS	FQSP	QPLMSIQPMLVVKPDPPL	240		
181	FQTVQNCISURGCCHVPPRAKJANVALLM	YLEITS	SAGVS	FQSP	QPLMSIQPMLVVKPDPPL	240		
241	GLHWEVTDGNLKISWDSQTMAPPFLQYQV	KYLENST	IVREAA	ETVSAT	SLLDVSVLP	300		
241	GLHWEVTDGNLKISWDSQTMAPPFLQYQV	KYLENST	IVREAA	ETVSAT	SLLDVSVLP	300		
301	SYEVQVRSKRLDGSQVMSWSQVFTTQDV	VYFPFK	ILTSVGS	NASPHCIYK	KNENQIIS	360		
301	SYEVQVRSKRLDGSQVMSWSQVFTTQDV	VYFPFK	ILTSVGS	NASPHCIYK	KNENQIIS	360		
361	SKQIVWNRNLAEKIPQISIVSDRSKVT	FSNLKAT	PRGKFTY	DVAYCCNEQ	ACHRY	420		
361	SKQIVWNRNLAEKIPQISIVSDRSKVT	FSNLKAT	PRGKFTY	DVAYCCNEQ	ACHRY	420		
421	AEIYVIDVINISCEITDGLVTMTCRWSP	STISQ	LVGSTV	QVLRHYRR	SLYCPDPSIHPT	480		
421	AEIYVIDVINISCEITDGLVTMTCRWSP	STISQ	LVGSTV	QVLRHYRR	SLYCPDPSIHPT	480		
481	SEPKNCVLQRDGYECVFOPIFLLSGYT	WIRIN	SHLSGL	SDSPPTCV	LPDPSVVKPLPPSN	540		
481	SEPKNCVLQRDGYECVFOPIFLLSGYT	WIRIN	SHLSGL	SDSPPTCV	LPDPSVVKPLPPSN	540		
541	VKAIEITVNTGLLVKSVKEKVPFENN	LOFQIR	YGLSGKEI	OWKTHEV	FDPAKSKASLLVSD	600		
541	VKAIEITVNTGLLVKSVKEKVPFENN	LOFQIR	YGLSGKEI	OWKTHEV	FDPAKSKASLLVSD	600		
601	LCVVYVQVRCRRDLGLGYSNWSSPAY	TLVMD	VKVP	MRGPEF	WRKMDG	VDVTKKERNVTL	660	

FRAGMENT TYPE: internal  
US-08-708-123D-2

Query Match 98.8%; Score 4271; DB 4; Length 894;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMCQKFFVVLHWFYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSPAGAPNNASAL 60  
DB 1 MMCQKFFVVLHWFYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSPAGAPNNASAL 60

QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQNCQCSALTNDTEGKTLASVVKASVF 120  
DB 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQNCQCSALTNDTEGKTLASVVKASVF 120

QY 121 ROLGVNWDIECMWKGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPKDS 180  
DB 121 ROLGVNWDIECMWKGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPKDS 180

QY 181 FQTVQCNSLRGCECHVPVPRAKNLAYLMLYLETISAGVSFQSPMLSQPMLVVKPDPPL 240  
DB 181 FQTVQCNSLRGCECHVPVPRAKNLAYLMLYLETISAGVSFQSPMLSQPMLVVKPDPPL 240

QY 241 GLHMEVTDGKILKISWDSQTMAPPFLQYQVLYENSTIVREAAEIVSATSLLDVSVLPGS 300  
DB 241 GLHMEVTDGKILKISWDSQTMAPPFLQYQVLYENSTIVREAAEIVSATSLLDVSVLPGS 300

QY 301 SYEVQVRSKRDLGSGVWSDSSPQVFTTQDVVYPPPKLTTSVGSNASFHCIIYKNEQIIS 360  
DB 301 SYEVQVRSKRDLGSGVWSDSSPQVFTTQDVVYPPPKLTTSVGSNASFHCIIYKNEQIIS 360

QY 361 SKQIWMENLAEKIPEIQISIVSDRVSKVTSNLAATPRGKFTYDQVYCCNEQACHRY 420  
DB 361 SKQIWMENLAEKIPEIQISIVSDRVSKVTSNLAATPRGKFTYDQVYCCNEQACHRY 420

QY 421 AELYYIDVNIISCTDGYLTMTCRWSPSTIQSLVSTVQLRYHRRSLYCPDPSIHT 480  
DB 421 AELYYIDVNIISCTDGYLTMTCRWSPSTIQSLVSTVQLRYHRRSLYCPDPSIHT 480

QY 481 SEPKNCVLQDGFYECVQPIFLSGYTWIRINHSLSGLSDSPPTCVLPDSVVKPLPSN 540  
DB 481 SEPKNCVLQDGFYECVQPIFLSGYTWIRINHSLSGLSDSPPTCVLPDSVVKPLPSN 540

QY 541 VKAEITVNTGLLKVSWEPKVPENNLOQIRYGLSGKEIQWKTHERVFDKSKSALLVSD 600  
DB 541 VKAEITVNTGLLKVSWEPKVPENNLOQIRYGLSGKEIQWKTHERVFDKSKSALLVSD 600

QY 601 LCAVYVQVRCRRLDGLGYSWNSWPAYTLVMDVKVPMRGPEFWRKMDGDVTKERNVTL 660  
DB 601 LCAVYVQVRCRRLDGLGYSWNSWPAYTLVMDVKVPMRGPEFWRKMDGDVTKERNVTL 660

QY 661 LKPLTKNDLSLCSVRRYVVKHRTAINGTWSBEDVGNRTNLTLFWTPAHTVTVLAVNSLGA 720  
DB 661 LKPLTKNDLSLCSVRRYVVKHRTAINGTWSBEDVGNRTNLTLFWTPAHTVTVLAVNSLGA 720

QY 721 SLVNFNLTFSPWMSKVSAVESISAYPLSSCVILSWTSLSPDDYSLLYLIVIEWKIILNEDG 780  
DB 721 SLVNFNLTFSPWMSKVSAVESISAYPLSSCVILSWTSLSPDDYSLLYLIVIEWKIILNEDG 780

QY 781 MKWLRIIPSNVKKFYIH 796  
DB 781 MKWLRIIPSNVKKFYIH 796

RESULT 8  
US-08-583-153A-2  
; Sequence 2, Application US/08583153A  
; Patent No. 6506877  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE

; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING  
; TITLE OF INVENTION: OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 41  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/583,153A  
; FILING DATE: 28-DEC-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/016001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 894 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
US-08-583-153A-2

Query Match 98.8%; Score 4271; DB 4; Length 894;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMCQKFFVVLHWFYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSPAGAPNNASAL 60  
DB 1 MMCQKFFVVLHWFYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSPAGAPNNASAL 60

QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQNCQCSALTNDTEGKTLASVVKASVF 120  
DB 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQNCQCSALTNDTEGKTLASVVKASVF 120

QY 121 ROLGVNWDIECMWKGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPKDS 180  
DB 121 ROLGVNWDIECMWKGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPKDS 180

QY 181 FQTVQCNSLRGCECHVPVPRAKNLAYLMLYLETISAGVSFQSPMLSQPMLVVKPDPPL 240  
DB 181 FQTVQCNSLRGCECHVPVPRAKNLAYLMLYLETISAGVSFQSPMLSQPMLVVKPDPPL 240

QY 241 GLHMEVTDGKILKISWDSQTMAPPFLQYQVLYENSTIVREAAEIVSATSLLDVSVLPGS 300  
DB 241 GLHMEVTDGKILKISWDSQTMAPPFLQYQVLYENSTIVREAAEIVSATSLLDVSVLPGS 300

QY 301 SYEVQVRSKRDLGSGVWSDSSPQVFTTQDVVYPPPKLTTSVGSNASFHCIIYKNEQIIS 360  
DB 301 SYEVQVRSKRDLGSGVWSDSSPQVFTTQDVVYPPPKLTTSVGSNASFHCIIYKNEQIIS 360

QY 361 SKQIWMENLAEKIPEIQISIVSDRVSKVTSNLAATPRGKFTYDQVYCCNEQACHRY 420  
DB 361 SKQIWMENLAEKIPEIQISIVSDRVSKVTSNLAATPRGKFTYDQVYCCNEQACHRY 420



Db 361 SKQIVWMRLAEKPEIQSVISDRVSKVTFNKLKATPRGKFTYDAVYCCNEQACHRY 420  
QY 421 AELVYDVNINISCTDGLTWTCTWSPSTTQSLVGVSTVQLRYHRRSLYCPDPSIHPT 480  
Db 421 AELVYDVNINISCTDGLTWTCTWSPSTTQSLVGVSTVQLRYHRRSLYCPDPSIHPT 480  
QY 481 SEPKNCVLQDGFYECVQFPIELLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540  
Db 481 SEPKNCVLQDGFYECVQFPIELLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540  
QY 541 VKAEITVNTGLLKVSWEKPVFPENNLFQIRYGLSGKGIQWTHVFDKSKSALLVSD 600  
Db 541 VKAEITVNTGLLKVSWEKPVFPENNLFQIRYGLSGKGIQWTHVFDKSKSALLVSD 600  
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Db 601 LCAYVVQVRCRLDGLGYWNSWSPAYTLVMDVKVPMRGPEFWKMDGDTVKERNVTL 660  
QY 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSEDVGNRTNLTFLWTPAHTVTVLAVNSLGA 720  
Db 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSEDVGNRTNLTFLWTPAHTVTVLAVNSLGA 720  
QY 721 SLVNFNLTFSPWPMKSVSAVESLAYSPLSSCVILSWTILSPDDYSLLYLVIEWKILNEDDG 780  
Db 721 SLVNFNLTFSPWPMKSVSAVESLAYSPLSSCVILSWTILSPDDYSLLYLVIEWKILNEDDG 780  
QY 781 MKWLRIPSNVKKFYIH 796  
Db 781 MKWLRIPSNVKKFYIH 796

## RESULT 9

US-08-570-142D-2  
; Sequence 2, Application US/08570142D  
; Patent No. 6509189  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE  
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING  
; NUMBER OF SEQUENCES: 6  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: Fast-Seq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/570,142D  
; FILING DATE: 11-DEC-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/014001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154

; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 894 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; FRAGMENT TYPE: internal  
US-08-570-142D-2

Query Match 98.8%; Score 4271; DB 4; Length 894;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMCQKFYVLLHWEFLYVIAALNLAYPISPKFKLFCGPPNTTDDSFSPAGAPNNASAL 60  
Db 1 MMCQKFYVLLHWEFLYVIAALNLAYPISPKFKLFCGPPNTTDDSFSPAGAPNNASAL 60  
QY 61 KGASEAIVEAFNSGGIYVPELSKTVFHCFCGNEQGCNSALTDNTEGKTLASVVKASVF 120  
Db 61 KGASEAIVEAFNSGGIYVPELSKTVFHCFCGNEQGCNSALTDNTEGKTLASVVKASVF 120  
QY 121 RQLGVNWDIECWKGDGLTFLFICHMEPLPKNPFKNYDSKVHLLYDLPEVIDDPSPLPKDS 180  
Db 121 RQLGVNWDIECWKGDGLTFLFICHMEPLPKNPFKNYDSKVHLLYDLPEVIDDPSPLPKDS 180  
QY 181 FQTVQCNSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFQSPQLMSLOPMLVVKPDPL 240  
Db 181 FQTVQCNSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFQSPQLMSLOPMLVVKPDPL 240  
QY 241 GLHMEVTDGDLKISWDSQTMAPPLOQVQVYLENSTIVREAAEIVSATSLIIVDSVLPQS 300  
Db 241 GLHMEVTDGDLKISWDSQTMAPPLOQVQVYLENSTIVREAAEIVSATSLIIVDSVLPQS 300  
QY 301 SYEVQVRSKRLDGGVWSDWSSPQVFTTQDVYVPPKILT SVGSNASFHCYKKNENQIIS 360  
Db 301 SYEVQVRSKRLDGGVWSDWSSPQVFTTQDVYVPPKILT SVGSNASFHCYKKNENQIIS 360  
QY 361 SKQIVWMRLAEKPEIQSVISDRVSKVTFNKLKATPRGKFTYDAVYCCNEQACHRY 420  
Db 361 SKQIVWMRLAEKPEIQSVISDRVSKVTFNKLKATPRGKFTYDAVYCCNEQACHRY 420  
QY 421 AELVYDVNINISCTDGLTWTCTWSPSTTQSLVGVSTVQLRYHRRSLYCPDPSIHPT 480  
Db 421 AELVYDVNINISCTDGLTWTCTWSPSTTQSLVGVSTVQLRYHRRSLYCPDPSIHPT 480  
QY 481 SEPKNCVLQDGFYECVQFPIELLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540  
Db 481 SEPKNCVLQDGFYECVQFPIELLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540  
QY 541 VKAEITVNTGLLKVSWEKPVFPENNLFQIRYGLSGKGIQWTHVFDKSKSALLVSD 600  
Db 541 VKAEITVNTGLLKVSWEKPVFPENNLFQIRYGLSGKGIQWTHVFDKSKSALLVSD 600  
QY 601 LCAYVVQVRCRLDGLGYWNSWSPAYTLVMDVKVPMRGPEFWKMDGDTVKERNVTL 660  
Db 601 LCAYVVQVRCRLDGLGYWNSWSPAYTLVMDVKVPMRGPEFWKMDGDTVKERNVTL 660  
QY 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSEDVGNRTNLTFLWTPAHTVTVLAVNSLGA 720  
Db 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSEDVGNRTNLTFLWTPAHTVTVLAVNSLGA 720  
QY 721 SLVNFNLTFSPWPMKSVSAVESLAYSPLSSCVILSWTILSPDDYSLLYLVIEWKILNEDDG 780  
Db 721 SLVNFNLTFSPWPMKSVSAVESLAYSPLSSCVILSWTILSPDDYSLLYLVIEWKILNEDDG 780  
QY 781 MKWLRIPSNVKKFYIH 796  
Db 781 MKWLRIPSNVKKFYIH 796

RESULT 10  
US-08-638-524B-2  
; Sequence 2, Application US/08638524B

Patent No. 6548269  
GENERAL INFORMATION:  
APPLICANT: Tartaglia, Louis A.  
APPLICANT: Tepper, Robert I.  
APPLICANT: Culpepper, Janice A.  
APPLICANT: White, David W.  
TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR THE  
DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, INCLUDING OB  
TITLE OF INVENTION: CACHEXIA  
NUMBER OF SEQUENCES: 50  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
COUNTRY: US  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/638,524B  
FILING DATE: 26-APR-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/599,455  
FILING DATE: 22-JAN-1996  
APPLICATION NUMBER: 08/583,153  
FILING DATE: 28-DEC-1995  
APPLICATION NUMBER: 08/570,142  
FILING DATE: 11-DEC-1995  
APPLICATION NUMBER: 08/569,485  
FILING DATE: 08-DEC-1995  
APPLICATION NUMBER: 08/566,622  
FILING DATE: 04-DEC-1995  
APPLICATION NUMBER: 08/562,663  
FILING DATE: 27-NOV-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Meiklejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35,283  
REFERENCE/DOCKET NUMBER: 07334/018001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
TELEX: 200154  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 894 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: protein  
FRAGMENT TYPE: internal  
US-08-638-524B-2

Query Match 98.8%; Score 4271; DB 4; Length 894;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMCQKPYVLLHWEFLYVIAALNLAYPISPWKFLFCGPPNTTDDSFSPAGAPNASAL 60  
DB 1 MMCQKPYVLLHWEFLYVIAALNLAYPISPWKFLFCGPPNTTDDSFSPAGAPNASAL 60  
QY 61 KGASEAIVEAKNSGGIYVPELSKTVFHCFCFNEQGNCSALTDNTEGKTLASVVKASVF 120  
DB 61 KGASEAIVEAKNSGGIYVPELSKTVFHCFCFNEQGNCSALTDNTEGKTLASVVKASVF 120  
QY 121 ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNPKYDVKVHLLYDLPEVIDDSDPLPLKDS 180  
DB 121 ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNPKYDVKVHLLYDLPEVIDDSDPLPLKDS 180  
QY 181 FQTVQCNSLRGCECHVPPRAKLNALMLYLEITSAGVSFQSPMLSQPMLVVKRDPPL 240

DB 181 FQTVQCNSLRGCECHVPPRAKLNALMLYLEITSAGVSFQSPMLSQPMLVVKRDPPL 240  
QY 241 GLHMEVTDGDLKJISWDSQTMAPPLOQVQVXLENSTIVREAAEIVSATSLLDVSLPGS 300  
DB 241 GLHMEVTDGDLKJISWDSQTMAPPLOQVQVXLENSTIVREAAEIVSATSLLDVSLPGS 300  
QY 301 SYEVQVRSKRDLGGSGVSDMSSPOVFTTQDVVYPPKILTSGVSNASPHCIYKNNQIIS 360  
DB 301 SYEVQVRSKRDLGGSGVSDMSSPOVFTTQDVVYPPKILTSGVSNASPHCIYKNNQIIS 360  
QY 361 SKQIWMRNLAEKIPEIQYISVSDRVSKVTSNKLKATPRGKFTYDGYCCNEQACHRY 420  
DB 361 SKQIWMRNLAEKIPEIQYISVSDRVSKVTSNKLKATPRGKFTYDGYCCNEQACHRY 420  
QY 421 AELVVIDVNIISCTDGLTKMTCRWSPSTIQSLVGVSTVOLRYHRRSLYCPDSPSIHPT 480  
DB 421 AELVVIDVNIISCTDGLTKMTCRWSPSTIQSLVGVSTVOLRYHRRSLYCPDSPSIHPT 480  
QY 481 SEPKNVLRDGFYECVFPQIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540  
DB 481 SEPKNVLRDGFYECVFPQIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540  
QY 541 VKAEITVNTGLLKYSWEKVPENNLQFOIRYGLSGKEIQWKTHEVFDKSKSASLLVSD 600  
DB 541 VKAEITVNTGLLKYSWEKVPENNLQFOIRYGLSGKEIQWKTHEVFDKSKSASLLVSD 600  
QY 601 LCAVYVQVRCRRDLGLGYWNSWSSPAYTLVMDVKVPMRGPEFWMKMDGDTVTKERNVTL 660  
DB 601 LCAVYVQVRCRRDLGLGYWNSWSSPAYTLVMDVKVPMRGPEFWMKMDGDTVTKERNVTL 660  
QY 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSBDVGNRTNLTLFWTEPAHTVTVLAVNSLGA 720  
DB 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSBDVGNRTNLTLFWTEPAHTVTVLAVNSLGA 720  
QY 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIKILNEDDG 780  
DB 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIKILNEDDG 780  
QY 781 MKWLRIIPSNVKKFYH 796  
DB 781 MKWLRIIPSNVKKFYH 796

RESULT 11  
US-08-599-455B-43  
; Sequence 43, Application US/08599455B  
; Patent No. 5972621  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Culpepper, Janice A.  
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT  
; MODULATE BODY WEIGHT USING THE OB RECEPTOR  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/599,455B  
; FILING DATE: 22-JAN-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142



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; FRAGMENT TYPE: internal
US-09-069-781B-43

Query Match      98.8%; Score 4271; DB 3; Length 1162;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMCQKFFVYVLLHWEFLYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60
Db 1 MMCQKFFVYVLLHWEFLYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60

Qy 61 KGASEAIVEAKFNSGGIYVPELSKTVFHCCEGNEQNCSTLTDNTEGKTLASVVKASVF 120
Db 61 KGASEAIVEAKFNSGGIYVPELSKTVFHCCEGNEQNCSTLTDNTEGKTLASVVKASVF 120

Qy 121 ROLGVNWDIECWKMGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180
Db 121 ROLGVNWDIECWKMGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180

Qy 121 ROLGVNWDIECWKMGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180
Db 121 ROLGVNWDIECWKMGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180

Qy 181 FQTVQNCNLSRGCECHVPVPRAKNLYALMLYLETISAGVSFQSPMLSLQPLMLVVKPDPL 240
Db 181 FQTVQNCNLSRGCECHVPVPRAKNLYALMLYLETISAGVSFQSPMLSLQPLMLVVKPDPL 240

Qy 241 GLHMEVTDGMLKISWDSQTMAPPLOQVQKYLENSTIVRBAEIVSATSLLVDSVLPKS 300
Db 241 GLHMEVTDGMLKISWDSQTMAPPLOQVQKYLENSTIVRBAEIVSATSLLVDSVLPKS 300

Qy 301 SYEVQVRSKRDLGSGVMSDSSPOVFTTQDVVYFPFKILTSGVSNASPHCIYKXENQIIS 360
Db 301 SYEVQVRSKRDLGSGVMSDSSPOVFTTQDVVYFPFKILTSGVSNASPHCIYKXENQIIS 360

Qy 361 SKQIWWNENLAEKIPQIYQSVISDRSVKVTFSNLKATPRGKFTYDAVYCNEQACHRY 420
Db 361 SKQIWWNENLAEKIPQIYQSVISDRSVKVTFSNLKATPRGKFTYDAVYCNEQACHRY 420

Qy 421 AELVYIDVNIINISCTDGYLTQMTCRWSPSTIQSLVGTQVLRHRRSLYCPDPSIHPT 480
Db 421 AELVYIDVNIINISCTDGYLTQMTCRWSPSTIQSLVGTQVLRHRRSLYCPDPSIHPT 480

Qy 481 SEPKNVCLQRDGFYECVQPIFLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPSN 540
Db 481 SEPKNVCLQRDGFYECVQPIFLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPSN 540

Qy 541 VKAEITVNTGLLKVSWEKVPVPENNLQFQIRYGLSGKEIQWKTVEVFAKSKSALLVSD 600
Db 541 VKAEITVNTGLLKVSWEKVPVPENNLQFQIRYGLSGKEIQWKTVEVFAKSKSALLVSD 600

Qy 601 LCVVYVQVRCRLDGLGYWNSWSSPAYTLVMDVKVPMRGPEFWRKMDGVTTKERNVTL 660
Db 601 LCVVYVQVRCRLDGLGYWNSWSSPAYTLVMDVKVPMRGPEFWRKMDGVTTKERNVTL 660

Qy 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSDEGVGNRTNLTFLWTEPAHTVTVLAVNSLGA 720
Db 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSDEGVGNRTNLTFLWTEPAHTVTVLAVNSLGA 720

Qy 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG 780
Db 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG 780

Qy 781 MKWLRIPIPSNVKFFYIH 796
Db 781 MKWLRIPIPSNVKFFYIH 796

RESULT 13
US-09-137-132-43
; Sequence 43, Application US/09137132
; Patent No. 6380363
; GENERAL INFORMATION:
; APPLICANT: Tartaglia, Louis A.
; APPLICANT: Tepper, Robert I.
; APPLICANT: Culpepper, Janice A.
; APPLICANT: White, David W.
```

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; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson, P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/137,132
; FILING DATE: 18-AUG-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/864,564
; FILING DATE: 28-MAY-1997
; APPLICATION NUMBER: 08/708,123
; FILING DATE: 03-SEP-1996
; APPLICATION NUMBER: 08/638,524
; FILING DATE: 26-APR-1996
; APPLICATION NUMBER: 08/599,455
; FILING DATE: 22-JAN-1996
; APPLICATION NUMBER: 08/583,153
; FILING DATE: 28-DEC-1995
; APPLICATION NUMBER: 08/570,142
; FILING DATE: 11-DEC-1995
; APPLICATION NUMBER: 08/569,485
; FILING DATE: 08-DEC-1995
; APPLICATION NUMBER: 08/566,622
; FILING DATE: 04-DEC-1995
; APPLICATION NUMBER: 08/562,663
; FILING DATE: 27-NOV-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/019004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-542-5070
; TELEFAX: 617-542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1162 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
; US-09-137-132-43

Query Match      98.8%; Score 4271; DB 3; Length 1162;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MMCQKFFVYVLLHWEFLYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60
Db 1 MMCQKFFVYVLLHWEFLYVIAALNLAYPISPKWFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60

Qy 61 KGASEAIVEAKFNSGGIYVPELSKTVFHCCEGNEQNCSTLTDNTEGKTLASVVKASVF 120
Db 61 KGASEAIVEAKFNSGGIYVPELSKTVFHCCEGNEQNCSTLTDNTEGKTLASVVKASVF 120

Qy 121 ROLGVNWDIECWKMGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180
Db 121 ROLGVNWDIECWKMGDLTLFICHMEPLKPNPKNYDSKVHLLYDLPEVIDDSPLPLKDS 180

Qy 181 FQTVQNCNLSRGCECHVPVPRAKNLYALMLYLETISAGVSFQSPMLSLQPLMLVVKPDPL 240
Db 181 FQTVQNCNLSRGCECHVPVPRAKNLYALMLYLETISAGVSFQSPMLSLQPLMLVVKPDPL 240
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Db 181 FOTVQCNCSLRGECHVPVPRAKNLVALLMYLEITSSAGVSFQSPMLSLQPMVLVVKPDPL 240  
QY 241 GLHMEVTDGDLNLKISWDSQTMAPPFLQVQVYLENSTIVREAAEIVSATSLLVDSVLPGS 300  
Db 241 GLHMEVTDGDLNLKISWDSQTMAPPFLQVQVYLENSTIVREAAEIVSATSLLVDSVLPGS 300  
QY 301 SYEVQVRSKRLDGSVWSDSSPQVFTTQDVVYFPKILTSVGSNASPHCIYKNEQIIS 360  
Db 301 SYEVQVRSKRLDGSVWSDSSPQVFTTQDVVYFPKILTSVGSNASPHCIYKNEQIIS 360  
QY 361 SKQIIVWRNLAEKIPFIQVSIIVSDRVSKVTFNSNLKATPRGKFTYDQVYCCNEQACHRY 420  
Db 361 SKQIIVWRNLAEKIPFIQVSIIVSDRVSKVTFNSNLKATPRGKFTYDQVYCCNEQACHRY 420  
QY 421 AELVYIDVNNISCTDGYLTQWTCRWSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 480  
Db 421 AELVYIDVNNISCTDGYLTQWTCRWSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 480  
QY 481 SEPKNCVLQDGFYECVFPQIFLLSGYTMWIRINHSLSLSDSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 540  
Db 481 SEPKNCVLQDGFYECVFPQIFLLSGYTMWIRINHSLSLSDSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 540  
QY 541 VKAEITVNTGLLKVSWEKVPFPENNLFQIRYGLSGKEIQWKTHEVFDKSKSALLVSD 600  
Db 541 VKAEITVNTGLLKVSWEKVPFPENNLFQIRYGLSGKEIQWKTHEVFDKSKSALLVSD 600  
QY 601 LCAVTVVQVRCRLDGLGWSNWPAYTLVMDVKVPMRGPEFWKMDGDTVKERNVTL 660  
Db 601 LCAVTVVQVRCRLDGLGWSNWPAYTLVMDVKVPMRGPEFWKMDGDTVKERNVTL 660  
QY 661 LKPLTKDNLCSVRYVYVVKHRTAHNGTWSVDGNTNLTLFWLTPAHTVTVLAVNSLGA 720  
Db 661 LKPLTKDNLCSVRYVYVVKHRTAHNGTWSVDGNTNLTLFWLTPAHTVTVLAVNSLGA 720  
QY 721 SLVNFNLTFSPWMSKVSAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKIILNEDDG 780  
Db 721 SLVNFNLTFSPWMSKVSAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKIILNEDDG 780  
QY 781 MKWLRIIPSNVKKFYIH 796  
Db 781 MKWLRIIPSNVKKFYIH 796

RESULT 14

US-08-864-564A-43  
; Sequence 43, Application US/08864564A  
; Patent No. 6395498  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Cupepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: Fast-Seq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/864,564A  
; FILING DATE: 28-MAY-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/708,123

; FILING DATE: 03-SEP-1996  
; APPLICATION NUMBER: 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/019002  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-8906  
; TELEFAX: 617-542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 43:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1162 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; FRAGMENT TYPE: internal  
; US-08-864-564A-43  
  
Query Match 98.8%; Score 4271; DB 3; Length 1162;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
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Db 121 ROLGVNWDIECWMKGDILFICHMEPLKPNPKYNDKSVHLLYDLPEVDDSDPLPLKDS 180  
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Db 181 FOTVQCNCSLRGECHVPVPRAKNLVALLMYLEITSSAGVSFQSPMLSLQPMVLVVKPDPL 240  
QY 241 GLHMEVTDGDLNLKISWDSQTMAPPFLQVQVYLENSTIVREAAEIVSATSLLVDSVLPGS 300  
Db 241 GLHMEVTDGDLNLKISWDSQTMAPPFLQVQVYLENSTIVREAAEIVSATSLLVDSVLPGS 300  
QY 301 SYEVQVRSKRLDGSVWSDSSPQVFTTQDVVYFPKILTSVGSNASPHCIYKNEQIIS 360  
Db 301 SYEVQVRSKRLDGSVWSDSSPQVFTTQDVVYFPKILTSVGSNASPHCIYKNEQIIS 360  
QY 361 SKQIIVWRNLAEKIPFIQVSIIVSDRVSKVTFNSNLKATPRGKFTYDQVYCCNEQACHRY 420  
Db 361 SKQIIVWRNLAEKIPFIQVSIIVSDRVSKVTFNSNLKATPRGKFTYDQVYCCNEQACHRY 420  
QY 421 AELVYIDVNNISCTDGYLTQWTCRWSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 480  
Db 421 AELVYIDVNNISCTDGYLTQWTCRWSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 480  
QY 481 SEPKNCVLQDGFYECVFPQIFLLSGYTMWIRINHSLSLSDSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 540  
Db 481 SEPKNCVLQDGFYECVFPQIFLLSGYTMWIRINHSLSLSDSPTTQSLVGVSTVQLRYHRRSLYCPDPSIHT 540  
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Db 541 VKAEITVNTGLLKVSWEKVPFPENNLFQIRYGLSGKEIQWTHVEVFDKSKSASLLVSD 600  
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 Db 661 LWKPLTKNDSLCSVRRYVVKHRTAINGTWSVDVGNRTNLTFLWTEPAHTVTVLVANSLSGA 720  
 QY 721 SLVNFNLTFSPWMSKVSAYESLSAYPLSSSCVILSWTILSPDDYSLLYLVIEWKILNEDDG 780  
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 QY 781 MKWLRIIPSNVKKFYIH 796  
 Db 781 MKWLRIIPSNVKKFYIH 796

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 ; Sequence 43, Application US/09094410  
 ; Patent No. 6403552  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tartaglia, Louis A.  
 ; APPLICANT: Tepper, Robert I.  
 ; APPLICANT: Culpepper, Janice A.  
 ; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
 ; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
 ; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
 ; NUMBER OF SEQUENCES: 50  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson, P.C.  
 ; STREET: 225 Franklin Street  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: US  
 ; ZIP: 02110-2804  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: Windows95  
 ; SOFTWARE: FastSEQ for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/094,410  
 ; FILING DATE: 09-JUN-1998  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/864,564  
 ; FILING DATE: 28-MAY-1997  
 ; APPLICATION NUMBER: 08/708,123  
 ; FILING DATE: 03-SEP-1996  
 ; APPLICATION NUMBER: 08/638,524  
 ; FILING DATE: 26-APR-1996  
 ; APPLICATION NUMBER: 08/599,455  
 ; FILING DATE: 22-JAN-1996  
 ; APPLICATION NUMBER: 08/583,153  
 ; FILING DATE: 28-DEC-1995  
 ; APPLICATION NUMBER: 08/570,142  
 ; FILING DATE: 11-DEC-1995  
 ; APPLICATION NUMBER: 08/569,485  
 ; FILING DATE: 08-DEC-1995  
 ; APPLICATION NUMBER: 08/566,622  
 ; FILING DATE: 04-DEC-1995  
 ; APPLICATION NUMBER: 08/562,663  
 ; FILING DATE: 27-NOV-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: WeikleJohn, Ph.D., Anita L.  
 ; REGISTRATION NUMBER: 35,283  
 ; REFERENCE/DOCKET NUMBER: 07334/019003  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 617-542-5070

TELEFAX: 617-542-8906  
 TELEX: 200154  
 ; INFORMATION FOR SEQ ID NO: 43:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 1162 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: unknown  
 ; MOLECULE TYPE: protein  
 ; FRAGMENT TYPE: internal  
 ; US-09-094-410-43

Query Match 98.8%; Score 4271; DB 4; Length 1162;  
 Best Local Similarity 100.0%; Pred. No. 0;  
 Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 QY 721 SLVNFNLTFSPWMSKVSAYESLSAYPLSSSCVILSWTILSPDDYSLLYLVIEWKILNEDDG 780  
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 QY 781 MKWLRIIPSNVKKFYIH 796  
 Db 781 MKWLRIIPSNVKKFYIH 796

Job time : 27 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: November 3, 2004, 23:08:16 ; Search time 141 Seconds  
(without alignments)  
1851.019 Million cell updates/sec

Title: US-08-599-974E-10

Perfect score: 4321

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1370721 seqs, 324215800 residues

Total number of hits satisfying chosen parameters: 1370721

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Published Applications AA:\*

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20: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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2	4271	98.8	894	13	US-10-079-625-2
3	4271	98.8	894	13	US-10-095-929-12
4	4271	98.8	1162	13	US-10-079-625-43
5	4265	98.7	1162	14	US-10-226-579-2
6	4031	93.3	783	8	US-08-779-457-7
7	4031	93.3	783	14	US-10-214-802-7
8	3355	77.6	804	10	US-09-116-676-10
9	3340	77.3	896	8	US-08-779-457-3
10	3340	77.3	896	14	US-10-214-802-3
11	3340	77.3	896	16	US-10-373-624A-2
12	3340	77.3	923	8	US-08-779-457-4
13	3340	77.3	923	14	US-10-214-802-4

14 3340 77.3 1165 8 US-08-779-457-2  
15 3340 77.3 1165 9 US-09-894-039-1  
16 3340 77.3 1165 13 US-10-095-929-11  
17 3340 77.3 1165 14 US-10-214-802-2  
18 3340 77.3 1165 14 US-10-226-579-4  
19 3328 77.0 896 13 US-10-095-929-10  
20 3328 77.0 906 13 US-10-095-929-9  
21 3328 77.0 958 13 US-10-095-929-8  
22 3326 77.0 1165 13 US-10-079-625-4  
23 3323 76.9 960 13 US-10-095-929-3  
24 3318 76.8 898 14 US-10-245-616-3  
25 3223 74.6 916 16 US-10-373-624A-4  
26 3223 74.6 1161 16 US-10-373-624A-8  
27 3223 74.6 1234 16 US-10-373-624A-6  
28 390 9.0 1158 9 US-09-313-942-26  
29 390 9.0 1158 9 US-09-935-868-26  
30 390 9.0 1158 14 US-10-287-035-26  
31 390 9.0 1158 14 US-10-282-162-26  
32 380 8.8 1168 9 US-09-935-868-24  
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34 380 8.8 1168 14 US-10-287-035-24  
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36 298.5 6.9 488 13 US-10-079-625-5  
37 298.5 6.9 708 14 US-10-313-135-2  
38 298.5 6.9 807 15 US-10-311-473-12  
39 298.5 6.9 859 9 US-09-313-942-7  
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#### ALIGNMENTS

RESULT 1  
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; Sequence 51, Application US/08779457  
; Publication No. US20020193571A1  
; GENERAL INFORMATION:  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Chiang, Nancy Y.  
; APPLICANT: Kyung, Jin Kim  
; APPLICANT: Matthews, William  
; APPLICANT: Rodrigues, Maria L.  
; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WinPatIn (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/779,457  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/667197  
; FILING DATE: 06/20/96  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/585005  
; FILING DATE: 01/08/96  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lee, Wendy M.

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Sequence 4, Appli  
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Sequence 8, Appli  
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RESULT 3
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; Sequence 12, Application US/10095929
; Publication No. US20020197232A1
; GENERAL INFORMATION:
; APPLICANT: Snodgrass, H. Ralph
; Cioffi, Joseph
; Zupancic, Thomas Joel
; Shafer, Alan Wayne
; TITLE OF INVENTION: METHODS FOR USING THE OBESE
; GENE AND ITS GENE PRODUCT TO STIMULATE HEMATOPOIETIC
; DEVELOPMENT
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of The Americas
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2811
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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/095,929
; FILING DATE: 12-Mar-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/618,957
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Poissant, Brian M.
; REGISTRATION NUMBER: 28,462
; REFERENCE/DOCKET NUMBER: 008907-0033-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-493-4935
; TELEFAX: 650-493-5556
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 894 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 12:
US-10-095-929-12
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Best Local Similarity 100.0%; Pred. No. 0;
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MMCQKFFVLLHWEFLYVIAALNLAYPISPKFKFLFCGPPNTTDDSFSLPAGAPNNASAL 60
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QY 361 SKQIWWNRNLAEKIPFIQIYSIVSDRVSKVTFNSLKATPRGKFTYDAVYCCNEQAACHRY 420
Db 361 SKQIWWNRNLAEKIPFIQIYSIVSDRVSKVTFNSLKATPRGKFTYDAVYCCNEQAACHRY 420
QY 421 AELVYIDVNIINISCTDGYLTMTCRWSPSTIQSLVGSVQLRYHRRSLYCPDPSIHPT 480
Db 421 AELVYIDVNIINISCTDGYLTMTCRWSPSTIQSLVGSVQLRYHRRSLYCPDPSIHPT 480
QY 481 SEPKNCVLQDGFYECVFOPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540
Db 481 SEPKNCVLQDGFYECVFOPIFLLSGYTWMIRINHSLSGLSDSPPTCVLPDSVVKPLPPSN 540
QY 541 VKAEITVNTGLLKVSWEKVPFPENNLOQIRYGLSGKEIQWKTHEVFDKSKSALLVSD 600
Db 541 VKAEITVNTGLLKVSWEKVPFPENNLOQIRYGLSGKEIQWKTHEVFDKSKSALLVSD 600
```

QY 601 LCAVYVQVRCRLDGLGYSNWSSPAYTLVMDVKVPMRGPEFWRKMDGDVTKKERNVTL 660  
Db 601 LCAVYVQVRCRLDGLGYSNWSSPAYTLVMDVKVPMRGPEFWRKMDGDVTKKERNVTL 660  
QY 661 LKPLTKNDSLCSVRRYVVKHRTAHNGTWSEVDGNGRTNLTFLWTEPAHTVTVLAVNSLGA 720  
Db 661 LKPLTKNDSLCSVRRYVVKHRTAHNGTWSEVDGNGRTNLTFLWTEPAHTVTVLAVNSLGA 720  
QY 721 SLVNFNLTFSPWMSKVSAVESLSAYPLSSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG 780  
Db 721 SLVNFNLTFSPWMSKVSAVESLSAYPLSSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG 780  
QY 781 MKWLRIIPSNVKKFYIH 796  
Db 781 MKWLRIIPSNVKKFYIH 796

## RESULT 4

US-10-079-625-43  
; Sequence 43, Application US/10079625  
; Publication NO. US20020182676A1  
; GENERAL INFORMATION:  
; APPLICANT: Tartaglia, Louis A.  
; APPLICANT: Tepper, Robert I.  
; APPLICANT: Cuilpepper, Janice A.  
; APPLICANT: White, David W.  
; TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
; TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
; TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA  
; NUMBER OF SEQUENCES: 50  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSES: Fish & Richardson, P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: US  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: Windows95  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/079,625  
; FILING DATE: 2002-FEB-19  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/864,564  
; FILING DATE: 28-MAY-1997  
; APPLICATION NUMBER: 08/708,123  
; FILING DATE: 03-SEP-1996  
; APPLICATION NUMBER: 08/638,524  
; FILING DATE: 26-APR-1996  
; APPLICATION NUMBER: 08/599,455  
; FILING DATE: 22-JAN-1996  
; APPLICATION NUMBER: 08/583,153  
; FILING DATE: 28-DEC-1995  
; APPLICATION NUMBER: 08/570,142  
; FILING DATE: 11-DEC-1995  
; APPLICATION NUMBER: 08/569,485  
; FILING DATE: 08-DEC-1995  
; APPLICATION NUMBER: 08/566,622  
; FILING DATE: 04-DEC-1995  
; APPLICATION NUMBER: 08/562,663  
; FILING DATE: 27-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meiklejohn, Ph.D., Anita L.  
; REGISTRATION NUMBER: 35,283  
; REFERENCE/DOCKET NUMBER: 07334/019002  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-542-5070  
; TELEFAX: 617-542-8906  
; TELEX: 200154

; INFORMATION FOR SEQ ID NO: 43:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1162 amino acids  
; TYPE: amino acid  
; TOPOLOGY: unknown  
; MOLECULE TYPE: protein  
; FRAGMENT TYPE: internal  
; US-10-079-625-43

Query Match 98.8%; Score 4271; DB 13; Length 1162;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 796; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MMCQKPYVVLHWEFLYVIAALNLAYPISPWKFILFCGPPNNTTDDSFUSPAGAPNNASAL 60  
Db 1 MMCQKPYVVLHWEFLYVIAALNLAYPISPWKFILFCGPPNNTTDDSFUSPAGAPNNASAL 60  
QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQONCSALTNDTEGKTLASVVKASVF 120  
Db 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQONCSALTNDTEGKTLASVVKASVF 120  
QY 121 ROLGVNWDIECMKGDLTILFICHMEPLPKNPKNYVDSKVHLLYDLPEVIDDDSPPLPKDS 180  
Db 121 ROLGVNWDIECMKGDLTILFICHMEPLPKNPKNYVDSKVHLLYDLPEVIDDDSPPLPKDS 180  
QY 181 FQTVQCNCSLRGCECHVPVPRAKNLVALLMYLEITSAGVSFOSPLMSLOPMLVVKDPDPL 240  
Db 181 FQTVQCNCSLRGCECHVPVPRAKNLVALLMYLEITSAGVSFOSPLMSLOPMLVVKDPDPL 240  
QY 241 GLHMEVTDGNLKISWDSQTMAPPFLOQVQKYLENSTIVREAAEIVSATSLLVDSVLPGS 300  
Db 241 GLHMEVTDGNLKISWDSQTMAPPFLOQVQKYLENSTIVREAAEIVSATSLLVDSVLPGS 300  
QY 301 SYEVQVRSKRDLGSGVMSWSSPQVFTTQDVVYFPFKILTSGSNASHFCHIKYNNQIIS 360  
Db 301 SYEVQVRSKRDLGSGVMSWSSPQVFTTQDVVYFPFKILTSGSNASHFCHIKYNNQIIS 360  
QY 361 SKQIYVWRNLAKPIEIQYISIVSDRVSKVTFSNLKATPRGKFTYDQVYCCNEQACHRY 420  
Db 361 SKQIYVWRNLAKPIEIQYISIVSDRVSKVTFSNLKATPRGKFTYDQVYCCNEQACHRY 420  
QY 421 AELYVIDVNNINISCTDGYLTQMTCRWSPSTTQSLVGSVQLRYHRRSLYCPDPSIHPT 480  
Db 421 AELYVIDVNNINISCTDGYLTQMTCRWSPSTTQSLVGSVQLRYHRRSLYCPDPSIHPT 480  
QY 481 SEPKNCVLQRDGFYECVQPIFLLSGYTWIRINHSLSGLDSPPTCVLPDPSVVKPLPPSN 540  
Db 481 SEPKNCVLQRDGFYECVQPIFLLSGYTWIRINHSLSGLDSPPTCVLPDPSVVKPLPPSN 540  
QY 541 VKAEITVNTGLLKVSWEKVPVPPENNLQFIQIRYGLSGKEIQWKTHEVFDKSKSASLLVSD 600  
Db 541 VKAEITVNTGLLKVSWEKVPVPPENNLQFIQIRYGLSGKEIQWKTHEVFDKSKSASLLVSD 600  
QY 601 LCAVYVQVRCRLDGLGYSNWSSPAYTLVMDVKVPMRGPEFWRKMDGDVTKKERNVTL 660  
Db 601 LCAVYVQVRCRLDGLGYSNWSSPAYTLVMDVKVPMRGPEFWRKMDGDVTKKERNVTL 660  
QY 661 LKPLTKNDSLCSVRRYVVKHRTAHNGTWSEVDGNGRTNLTFLWTEPAHTVTVLAVNSLGA 720  
Db 661 LKPLTKNDSLCSVRRYVVKHRTAHNGTWSEVDGNGRTNLTFLWTEPAHTVTVLAVNSLGA 720  
QY 721 SLVNFNLTFSPWMSKVSAVESLSAYPLSSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG 780  
Db 721 SLVNFNLTFSPWMSKVSAVESLSAYPLSSSCVILSWTLSPDDYSLLYLVIEWKILNEDDG 780  
QY 781 MKWLRIIPSNVKKFYIH 796  
Db 781 MKWLRIIPSNVKKFYIH 796

## RESULT 5

US-10-226-579-2  
; Sequence 2, Application US/10226579

Publication No. US20030073634A1  
GENERAL INFORMATION:  
APPLICANT: Myers, Martin  
TITLE OF INVENTION: METHODS OF TREATING OBESITY  
FILE REFERENCE: 10276-071001  
CURRENT APPLICATION NUMBER: US/10/226,579  
CURRENT FILING DATE: 2002-08-23  
PRIOR APPLICATION NUMBER: US 60/314,976  
PRIOR FILING DATE: 2001-08-24  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 1162  
TYPE: PRT  
ORGANISM: Mus musculus  
US-10-226-579-2

Query Match 98.7%; Score 4265; DB 14; Length 1162;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 795; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY	1	MMCKQFYVLLHWEFLYVIAALNLAYPISPWKFKLFCGPPNTTDDSFSPAGAPNNASAL	60
DB	1	MMCKQFYVLLHWEFLYVIAALNLAYPISPWKFKLFCGPPNTTDDSFSPAGAPNNASAL	60
QY	61	KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQONCSALTNDTEGKTLASVVKASVF	120
DB	61	KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQONCSALTNDTEGKTLASVVKASVF	120
QY	121	ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDYSKVHLLYDLPEVIDDSSLPLPKDS	180
DB	121	ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDYSKVHLLYDLPEVIDDSSLPLPKDS	180
QY	181	FQTVQCNSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFQSPMLSLQPMVLVVKDPPL	240
DB	181	FQTVQCNSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFQSPMLSLQPMVLVVKDPPL	240
QY	241	GLHMEVTDGKILSWDSQTMAPPFLQYQVVKYLSNSTIVREAAEIVSATSLLVDSVLPGS	300
DB	241	GLHMEVTDGKILSWDSQTMAPPFLQYQVVKYLSNSTIVREAAEIVSATSLLVDSVLPGS	300
QY	301	SYEVQVRSKRLDGSVGSWDSQVFTTQDVVYFPPKILTSVGSNASFHCIIYKNQIIS	360
DB	301	SYEVQVRSKRLDGSVGSWDSQVFTTQDVVYFPPKILTSVGSNASFHCIIYKNQIIS	360
QY	361	SKQIIVWRNLAEKIPFIQYISVSDRVSKVTFNSLNKATRPGRKFTYDAVYCCNEQACHRY	420
DB	361	SKQIIVWRNLAEKIPFIQYISVSDRVSKVTFNSLNKATRPGRKFTYDAVYCCNEQACHRY	420
QY	421	AEIYVIDVNNISCTDGYLTQWTCRWSPTTQSLVGVSTQVLRVYHRRSLYCPDPSIHT	480
DB	421	AEIYVIDVNNISCTDGYLTQWTCRWSPTTQSLVGVSTQVLRVYHRRSLYCPDPSIHT	480
QY	481	SEPKNCVLQDGFYECVFOPIELLGTYTMMIRINHSLSGLSDSPPTCVLPDSVVKLPSPSN	540
DB	481	SEPKNCVLQDGFYECVFOPIELLGTYTMMIRINHSLSGLSDSPPTCVLPDSVVKLPSPSN	540
QY	541	VKAETITVNTGLLKVWEKVPFENNLPQFIRYGLSGKEIQWTHVDFDAKSASLLVSD	600
DB	541	VKAETITVNTGLLKVWEKVPFENNLPQFIRYGLSGKEIQWTHVDFDAKSASLLVSD	600
QY	601	LCAVYVQVRCRLDGLGVWSNWSPAYTLVMDVKVPMRGPFFWRKMDGDVTKKERNVTL	660
DB	601	LCAVYVQVRCRLDGLGVWSNWSPAYTLVMDVKVPMRGPFFWRKMDGDVTKKERNVTL	660
QY	661	LWKPLTKDNLGSLCVRVYVVKHRTAHGTWSEBVGNRNTLTLFWTBPATHTVTVLVNSLGA	720
DB	661	LWKPLTKDNLGSLCVRVYVVKHRTAHGTWSEBVGNRNTLTLFWTBPATHTVTVLVNSLGA	720
QY	721	SLVNFNLTFSPWMSKVSAVESLSAYPLSSSCVILSWTLPDDYSLLYLVIWIKILNEDDG	780
DB	721	SLVNFNLTFSPWMSKVSAVESLSAYPLSSSCVILSWTLPDDYSLLYLVIWIKILNEDDG	780

QY 781 MKWLRIIPSNVKKFYIH 796  
DB 781 MKWLRIIPSNVKKFYIH 796

RESULT 6  
US-08-779-457-7  
Sequence 7, Application US/08779457  
Publication No. US20020193571A1  
GENERAL INFORMATION:  
APPLICANT: Carter, Paul J.  
APPLICANT: Chiang, Nancy Y.  
APPLICANT: Kyung, Jin Kim  
APPLICANT: Matthews, William L.  
APPLICANT: Rodrigues, Maria L.  
TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES  
NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinFatin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/779,457  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/667197  
FILING DATE: 06/20/96  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/585005  
FILING DATE: 01/08/96  
ATTORNEY/AGENT INFORMATION:  
NAME: Lee, Wendy M.  
REGISTRATION NUMBER: 40,378  
REFERENCE/DOCKET NUMBER: P0986P2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1994  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 783 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-08-779-457-7

Query Match 93.3%; Score 4031; DB 8; Length 783;  
Best Local Similarity 96.6%; Pred. No. 2,2e-308;  
Matches 756; Conservative 2; Mismatches 25; Indels 0; Gaps 0;

QY	1	MMCKQFYVLLHWEFLYVIAALNLAYPISPWKFKLFCGPPNTTDDSFSPAGAPNNASAL	60
DB	1	MMCKQFYVLLHWEFLYVIAALNLAYPISPWKFKLFCGPPNTTDDSFSPAGAPNNASAL	60
QY	61	KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQONCSALTNDTEGKTLASVVKASVF	120
DB	61	KGASEAIVEAKFNSSGIYVPELSKTVFHCFCGNEQONCSALTNDTEGKTLASVVKASVF	120
QY	121	ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDYSKVHLLYDLPEVIDDSSLPLPKDS	180
DB	121	ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDYSKVHLLYDLPEVIDDSSLPLPKDS	180
QY	181	FQTVQCNSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFQSPMLSLQPMVLVVKDPPL	240
DB	181	FQTVQCNSLRGCECHVPVPRAKNLYALLMYLEITSAGVSFQSPMLSLQPMVLVVKDPPL	240

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QY 241 GLHMEVTDGKISKWDSOTMAPFPLOQYKYLENSTIVREAAEIVSATSLLVDSVLPGS 300
Db 241 GLHMEVTDGKISKWDSOTMAPFPLOQYKYLENSTIVREAAEIVSATSLLVDSVLPGS 300
QY 301 SYEVQVRSKRLDGSWSDSSPQVFTTQDVVYFPPKILTSVGSNASFHCYKKNENQIIS 360
Db 301 SYEVQVRSKRLDGSWSDSSPQVFTTQDVVYFPPKILTSVGSNASFHCYKKNENQIIS 360
QY 361 SKQIWWRNLAEKIPEIQYISIVSDRVSKVTPFNKATPRGKFTYDAVYCCNEQACHRY 420
Db 361 SKQIWWRNLAEKIPEIQYISIVSDRVSKVTPFNKATPRGKFTYDAVYCCNEQACHRY 420
QY 421 AELVYDVNINISCTDGYLTQWTCRWSPSTIQSLVGVSTQVLRVYHRRSIYCPDPSIHT 480
Db 421 AELVYDVNINISCTDGYLTQWTCRWSPSTIQSLVGVSTQVLRVYHRRSIYCPDPSIHT 480
QY 481 SEPKNCVLQRDGFECVFPQIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPPSN 540
Db 481 SEPKTASYRETAFMNVFSSQSFYLAIOCGFRINHSLGSLDSPPTCVLPDSVVKPLPPSN 540
QY 541 VKAEITVNTGLLKVSWEKVPFPENNLPQIRYGLSGKEIQWKTHERVFAKSKASILLVSD 600
Db 541 VKAEITVNTGLLKVSWEKVPFPENNLPQIRYGLSGKEIQWKTHERVFAKSKASILLVSD 600
QY 601 LCADVVOVQRCRRDLGLGYWNSWSPAYTLVMDVKVPMRGPEFWKMDGDVTKKERNVTL 660
Db 601 LCADVVOVQRCRRDLGLGYWNSWSPAYTLVMDVKVPMRGPEFWKMDGDVTKKERNVTL 660
QY 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSVDGNGRTNLTLFWTBPATHTVTVLVNSLGA 720
Db 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSVDGNGRTNLTLFWTBPATHTVTVLVNSLGA 720
QY 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKIILNEDDG 780
Db 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKIILNEDDG 780

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RESULT 7

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US-10-214-802-7
; Sequence 7, Application US/10214802
; Publication No. US20030004109A1
; GENERAL INFORMATION:
; APPLICANT: Matthews, William
; Bennett, Brian
; TITLE OF INVENTION: WSX RECEPTOR
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,802
; FILING DATE: 06-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/780,562
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/585005
; FILING DATE: 08-Jan-97
; APPLICATION NUMBER: 60/

```

```

; FILING DATE: 08-Jan-97
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7188
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 783 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-214-802-7

```

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Query Match      93.3%; Score 4031; DB 14; Length 783;
Best Local Similarity 96.6%; Pred. No. 2.2e-308;
Matches 756; Conservative 2; Mismatches 25; Indels 0; Gaps 0;

QY 1 MMCQKPYVLLHWEFLYVIAALNLAYPISPWKFKLFCGPPNTTDDSFSPAGAPNNASL 60
Db 1 MMCQKPYVLLHWEFLYVIAALNLAYPISPWKFKLFCGPPNTTDDSFSPAGAPNNASL 60
QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCCFNGEQNCALSATDNTGKTLASVVKASVP 120
Db 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCCFNGEQNCALSATDNTGKTLASVVKASVP 120
QY 121 RQLGVNWDIECMWKGDLTLFICHMEPLKPNFKNYDSKVHLLYDLPEVIDDSPLPLKDS 180
Db 121 RQLGVNWDIECMWKGDLTLFICHMEPLKPNFKNYDSKVHLLYDLPEVIDDSPLPLKDS 180
QY 181 PQTVCNCSLGRCECHVPVPRAKUNYALLMYLEITSAGVSFQSPMLQMLVVKPDPL 240
Db 181 PQTVCNCSLGRCECHVPVPRAKUNYALLMYLEITSAGVSFQSPMLQMLVVKPDPL 240
QY 241 GLHMEVTDGKISKWDSOTMAPFPLOQYKYLENSTIVREAAEIVSATSLLVDSVLPGS 300
Db 241 GLHMEVTDGKISKWDSOTMAPFPLOQYKYLENSTIVREAAEIVSATSLLVDSVLPGS 300
QY 301 SYEVQVRSKRLDGSWSDSSPQVFTTQDVVYFPPKILTSVGSNASFHCYKKNENQIIS 360
Db 301 SYEVQVRSKRLDGSWSDSSPQVFTTQDVVYFPPKILTSVGSNASFHCYKKNENQIIS 360
QY 361 SKQIWWRNLAEKIPEIQYISIVSDRVSKVTPFNKATPRGKFTYDAVYCCNEQACHRY 420
Db 361 SKQIWWRNLAEKIPEIQYISIVSDRVSKVTPFNKATPRGKFTYDAVYCCNEQACHRY 420
QY 421 AELVYDVNINISCTDGYLTQWTCRWSPSTIQSLVGVSTQVLRVYHRRSIYCPDPSIHT 480
Db 421 AELVYDVNINISCTDGYLTQWTCRWSPSTIQSLVGVSTQVLRVYHRRSIYCPDPSIHT 480
QY 481 SEPKNCVLQRDGFECVFPQIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPPSN 540
Db 481 SEPKTASYRETAFMNVFSSQSFYLAIOCGFRINHSLGSLDSPPTCVLPDSVVKPLPPSN 540
QY 541 VKAEITVNTGLLKVSWEKVPFPENNLPQIRYGLSGKEIQWKTHERVFAKSKASILLVSD 600
Db 541 VKAEITVNTGLLKVSWEKVPFPENNLPQIRYGLSGKEIQWKTHERVFAKSKASILLVSD 600
QY 601 LCADVVOVQRCRRDLGLGYWNSWSPAYTLVMDVKVPMRGPEFWKMDGDVTKKERNVTL 660
Db 601 LCADVVOVQRCRRDLGLGYWNSWSPAYTLVMDVKVPMRGPEFWKMDGDVTKKERNVTL 660
QY 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSVDGNGRTNLTLFWTBPATHTVTVLVNSLGA 720
Db 661 LWKPLTKNDSLCSVRRYVVKHRTAHNGTWSVDGNGRTNLTLFWTBPATHTVTVLVNSLGA 720
QY 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKIILNEDDG 780
Db 721 SLVNFNLTFSPMKSVAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKIILNEDDG 780

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QY 781 MKW 783
Db 781 MKW 783

RESULT 8
US-09-116-676-10
; Sequence 10, Application US/09116676
; Publication No. US20030073829A1
; GENERAL INFORMATION:
; APPLICANT: Borowsky, Beth
; TITLE OF INVENTION: DNA ENCODING A HUMAN OB RECEPTOR
; TITLE OF INVENTION: (hob-Re) AND USES THEREOF
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/116,676
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 1795-53801/JPW/KDB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 278 0400
; TELEFAX: 212 291 0525
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 804 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-116-676-10

Query Match 77.6%; Score 3355; DB 10; Length 804;
Best Local Similarity 76.0%; Pred. No. 4e-255;
Matches 611; Conservative 74; Mismatches 117; Indels 2; Gaps 2;

QY 1 MMCQKFFVLLHWEFLYVIAALNLAYIPSPWKFKFCGPPNNTDSDFLSPAGAPNASAL 60
Db 1 MICQKFCVLLHWEFLYVIAALNLAYIPSPWKFKFCGPPNNTDSDFLSPAGAPNASAL 60

QY 61 KGASPAIVEAKPNSGGIYVPELSKTVFHCCEGQNCQNSALTDNTEGKTLASVVKASVF 120
Db 61 NGHYETAPEKFNSSGTHFSNLSKTTFFCCFSEQRNCSLCADNIEGKTFVSTVNSLVF 120

QY 121 RQLGVNWDIECMWKDGLFIFICHMEPLPKQPKNTYDSKVHLLYDLPEVIDSDPLPKDS 180
Db 121 QQIDANWNIQWLKGLDLFICYVESLFKNLFRNRYKVHLLYVLPVEVLESDPLVPQKGS 180

QY 181 PQTVCNCSLRG-CECHVPVPRAKNLYALLMYLEITTSAGVSFQSPMLSLQPMVVKPDP 239
Db 181 PQVHCNCSVIECCCLVPVPTAKLNDLLMCKLITSGVIFQSPMLSVQPINWVKPDP 240

QY 240 LGLHMEVTDGDLNKLISWDSQTMAPPFLOQVVKYLENS-TIVREAAEIVSATSLLVDSVLP 298
Db 241 LGLHMEITDDGDLNKLISWSSPPLVPPFLOQVVKYSENSITVIREADKIVSATSLLVDSILP 300

QY 299 GSSYEVOVRKELDGGSGVWSWSSQVFTTQDVYFPFKILTSVGSNASFHCIIYKKNQI 358
Db 301 GSSYEVOVRKELDGGSGVWSWSSQVFTTQDVYFPFKILTSVGSNASFHCIIYKKNKI 360
```

```
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-779-457-3

Query Match      77.3%; Score 3340; DB 8; Length 896;
Best Local Similarity 76.2%; Pred. No. 7.2e-254;
Matches 608; Conservative 73; Mismatches 115; Indels 2; Gaps 2;

QY 1 MMCQFVYVLLHWEFLYVIAALNLAIPSPKFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60
DB 1 MICQFPCVLLHWEFLYVITAFNLSPYITPMRFKLSCLMPPNSTYDYFLLPAGLSKNTNS 60
QY 61 KGASEAIVEAKFNSSGIVVPELSKTVFHCCFNEQOQNCALTDTNTEGKTLASVVKASVF 120
DB 61 NGHYTEAVPEKNSGTHFSNLKTTFFHCCFSEQDRNCSCADNIEGKTFVSTVNSLVF 120
QY 121 ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDSKVHLLYDLPEVIDDSSLPLPKDS 180
DB 121 QQIDANWNIQCWLKGDGLKLFICYVESLFPKLPFRNYKVHLLYVLPVLEDSPLVPQKS 180
QY 181 FQTVQNCSLRG-CECHYVPVPAKLNLYALLYLEITSAQVSFQSPMLSQPLMLVVKPDPP 239
DB 181 FQVHCHNCVHCECCCLVPVPTAKLNDTLMLCKLITSGGVI FQSPMLSVQPINNVKPDPP 240
QY 240 LGLHMEVTDGGLKISWDSQTMAPPLOQVQVYLENS-TIVREAAEIVSATSLLVDSVLP 298
DB 241 LGLHMEITDDGNLKSWSGPPPLVFPLOQVQVYSENSTTVIREADKIVSATSLVDSILP 300
QY 299 GSSYEVQVRSKRLDGSVWSDSSSQVFTTQDVVTFPPPKILTSGVSNASFHCIIYKNEQI 358
DB 301 GSSYEVQVRGKLDGPGIWSDSWSTPRVFTTQDVVTFPPPKILTSGVSNVSFHCIIYKENKI 360
QY 359 ISSKOIVWNRNLAEKIPEIQYISIVDRSVKTVFSNLKATPRGKFTYDAVYCCNQACHH 418
DB 361 VPSKEIVWMMNLAKIPOSQYDVSVDHVSKVTFPNNLNETKPRGKFTYDAVYCCNBECHH 420
QY 419 RVAELVYVDVNIINISCTDGYLTCTCRWSPSTIQSLVGSTVOLRVHRRSLCPSPSIH 478
DB 421 RVAELVYVDVNIINISCTDGYLTCTCRWSTSTIQSLAESTLQRLYHRSSLYCSIPSIIH 480
QY 479 PISEPKNCVLRQDGFYECFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 538
DB 481 PISEPKDCVLRQDGFYECFQPIFLLSGYTMWIRINHSLSGLSDSPPTCVLPDSVVKPLPP 540
QY 539 SNVKAETVNTGLLKVSWEKVPFPENNLOFQIRYGLSGKEIOWKTHEVPDAKSKASLLV 598
DB 541 SSVKAETINIGLLKISWEKVPFPENNLOFQIRYGLSGKEVQWKVEYVYDAKSKVSLPV 600
QY 599 SDLCVYVQVRCRLDGLGYWNSWSSPAYTLVMDVKVPMRGPEFWRKMGDGVTKKERNV 658
DB 601 POLCAVAVQVCKRLDGLGYWNSWNSPAYTVMDIKVPMRGPEFWRRIINGDTMKKERNV 660
QY 659 TLLWKLPLTKNDSLCSVRRYVVKHRTAHNGTWSGEDYGNRTNLTLFMTPEAHTVTVLAVNSL 718
DB 661 TLLWKLPLMKNDSLCSVQVRVYVNHHTSCNGTWSGEDYGNHTKFTFLTEQAHTVTVLAINSI 720
QY 719 GASLVNFNLTFSWPMKSVGAVESLQAYPLSSCVLSWTLSPDDYSLLYLVLEWKLINBD 778
DB 721 GASVAFNLTFSWPMKSVKNIVQSLQAYPLNSSCVIWSWTLSPSDYKLMFYIIEWKLNBD 780
QY 779 DCMKWLRIIPSNVKKFYIH 796
DB 781 GEIKWLRISSSVKKFYIYH 798
```

RESULT 10

US-10-214-802-3

; Sequence 3, Application US/10214802

```
; Publication No. US20030004109A1
; GENERAL INFORMATION:
; APPLICANT: Matthews, William
; Bennett, Brian
; TITLE OF INVENTION: WSX RECEPTOR
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,802
; FILING DATE: 06-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/780,562
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/585005
; FILING DATE: 08-Jan-97
; APPLICATION NUMBER: 60/
; FILING DATE: 08-Jan-97
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 896 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-214-802-3
```

Query Match 77.3%; Score 3340; DB 14; Length 896;  
Best Local Similarity 76.2%; Pred. No. 7.2e-254;  
Matches 608; Conservative 73; Mismatches 115; Indels 2; Gaps 2;

```
QY 1 MMCQFVYVLLHWEFLYVIAALNLAIPSPKFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60
DB 1 MICQFPCVLLHWEFLYVITAFNLSPYITPMRFKLSCLMPPNSTYDYFLLPAGLSKNTNS 60
QY 61 KGASEAIVEAKFNSSGIVVPELSKTVFHCCFNEQOQNCALTDTNTEGKTLASVVKASVF 120
DB 61 NGHYTEAVPEKNSGTHFSNLKTTFFHCCFSEQDRNCSCADNIEGKTFVSTVNSLVF 120
QY 121 ROLGVNWDIECMWKGDLTLFICHMEPLPKNPKNYDSKVHLLYDLPEVIDDSSLPLPKDS 180
DB 121 QQIDANWNIQCWLKGDGLKLFICYVESLFPKLPFRNYKVHLLYVLPVLEDSPLVPQKS 180
QY 181 FQTVQNCSLRG-CECHYVPVPAKLNLYALLYLEITSAQVSFQSPMLSQPLMLVVKPDPP 239
DB 181 FQVHCHNCVHCECCCLVPVPTAKLNDTLMLCKLITSGGVI FQSPMLSVQPINNVKPDPP 240
QY 240 LGLHMEVTDGGLKISWDSQTMAPPLOQVQVYLENS-TIVREAAEIVSATSLLVDSVLP 298
DB 241 LGLHMEITDDGNLKSWSGPPPLVFPLOQVQVYSENSTTVIREADKIVSATSLVDSILP 300
QY 299 GSSYEVQVRSKRLDGSVWSDSSSQVFTTQDVVTFPPPKILTSGVSNASFHCIIYKNEQI 358
DB 301 GSSYEVQVRGKLDGPGIWSDSWSTPRVFTTQDVVTFPPPKILTSGVSNVSFHCIIYKENKI 360
```





```
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/585005
;; FILING DATE: 01/08/96
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Lee, Wendy M.
;; REGISTRATION NUMBER: 40,378
;; REFERENCE/DOCKET NUMBER: P0986P2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415/225-1994
;; TELEFAX: 415/952-9881
;; TELEX: 910/371-7168
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 923 amino acids
;; TYPE: Amino Acid
;; TOPOLOGY: Linear
US-08-779-457-4

Query Match 77.3%; Score 3340; DB 8; Length 923;
Best Local Similarity 76.2%; Pred. No. 7.5e-254;
Matches 608; Conservative 73; Mismatches 115; Indels 2; Gaps 2;

QY 1 MMCQKPYVLLHWEFLYVIAALNLAYPISPWFKLFCGPPNTTDDSFSLSPAGAPNNASAL 60
DB 1 MICQKFCVLLHWEFLYVITAFNLSPYPTPWRFKLSCHMPNSTYDYFLLPAGLSKNTSNS 60
QY 61 KGASEAIVAEKPNSSGGIYVPELSKTVFHCCPGNEQONCSALTNTTEGKTLASVVKASVF 120
DB 61 NGHETAVEPEKPNSSGTHFSNLKTTFFCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVF 120
QY 121 ROLGVNWDIECMKGDLTILFICHEPLKPNPKNYDSKVHLLYDLPEVIDDPSPLPKDS 180
DB 121 QOIDANWNIQCLWKGDLKLFICYESLFKNLFRNINYKVHLLYVLPDEVLEDSPLVPQKGS 180
QY 181 FQVHCNCSLGRG-CECHVVPRAKLNAYALLYLEITTSAGVSFQSPILMSQPMVLVVKPDP 239
DB 181 FQVHCNCSVHECCCLVVPPTAKLNDTLMLCKITSGGVI FQSPILMSVQPINNVKPDPP 240
QY 240 LGLHMEVTDGDKLISWDSQTMAPPLOQVQKYLENS-TIVREAAEIVSATSLLVDSVLP 298
DB 241 LGLHMEITDDGNLKISWSSPPLVPPLOQVQKYSNSTTVIREADKIVSATSLLVDSILP 300
QY 299 GSSYEVQVRSKRLDGSVWSDNSSQVFTTQDVVFPFKILTSVGSNASPHCIYKXNQI 358
DB 301 GSSYEVQVRSKRLDGSVWSDNSTPRVFTQDVVFPFKILTSVGSNVSFHCYIKKENKI 360
QY 359 IGSKOIVWNRNLAETPEIQYISVDRSVKTFNSLNKATPRGKFTYDAVYCNEQACH 418
DB 361 VFSKEIVWNRNLAETPEIQYISVDRSVKTFNSLNKATPRGKFTYDAVYCNEHECH 420
QY 419 RYAELYVIDVNIISCTDGYLTMTCRWSPSTIQSLVSTVQLRYHRSLYCPDPSPIH 478
DB 421 RYAELYVIDVNIISCTDGYLTMTCRWSTSTIQSLAESTLQLRYHRSLSYCSDIPIH 480
QY 479 PTSEPKNCVLOQDGFVECVFQDIFLLSGYTMIRINHSLSGSDSPPTCVLPDSVVKPLPP 538
DB 481 PTSEPKDCYLODGFVECFIQDIFLLSGYTMIRINHSLSGSDSPPTCVLPDSVVKPLPP 540
QY 539 SNVKAETVNTGLLKVSWEKVPFENNLOFQIRYGLSGKEIQWKTHEVFDKASKASLIV 598
DB 541 SSVKAETITINIGLLKISWEKVPFENNLOFQIRYGLSGKEVQWKVEYVDKASKVSLPV 600
QY 599 SDCAVVYVQVCRRLDGLGYVSNSSPAYTLVMDVKVPMRGPEFWRKMDGVTKKERNV 658
DB 601 PDLCAVYAQVRCXRLDGLGYVSNSSNPAYTVVMDIKVPMRGPEFWRIINGDTMKKQNV 660
QY 659 TLLWPLKNDLSICSVRRVVKHRTAHNGTGFEDYGNRNLTFLATEPAHTVTVLAVNSL 718
DB 661 TLLWPLMKNDLSICSVQRIINHHSTSCNWTSESDVGNHKTFTFLTEQAHTVTVLAINSI 720
QY 719 GASLVNFNLTFSWPKMSKVAVESLSAYPLSSSCVILSWTSLSDDYSLLYLIEWKLINED 778
DB 721 GASVANFNLTFSWPKMSKNIVQSLNAYPLNSSCVISWLSLSPDYKLYFLIEWKLNED 780

QY 779 DGMKWLRIPIPSNVKPYIH 796
DB 781 GEIKWLRISSSVKYYIH 798

RESULT 13
US-10-214-802-4
; Sequence 4, Application US/10214802
; Publication No. US20030004109A1
; GENERAL INFORMATION:
; APPLICANT: Matthews, William
; TITLE OF INVENTION: WSX RECEPTOR
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/214,802
; FILING DATE: 06-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/780,562
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/585005
; FILING DATE: 08-Jan-97
; APPLICATION NUMBER: 60/
; FILING DATE: 08-Jan-97
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986R1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 923 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-214-802-4

Query Match 77.3%; Score 3340; DB 14; Length 923;
Best Local Similarity 76.2%; Pred. No. 7.5e-254;
Matches 608; Conservative 73; Mismatches 115; Indels 2; Gaps 2;
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QY 240 LGLHMEVTDGKILKISWDSQTMAPPFLOQVQKYLENS-TIVREAAEIVSATSLLVDSVLP 298
Db 241 LGLHMEITDDGKILKISWSSPPLVPFLOQVQKYLENS-TIVREAAEIVSATSLLVDSVLP 300
QY 299 GSSYEVQVRSKRLDGLGWSWSSPOVFTQDVYPPPKILTSGVSNASPHCIYKXENOI 358
Db 301 GSSYEVQVRSKRLDGLGWSWSSPOVFTQDVYPPPKILTSGVSNASPHCIYKXENOI 360
QY 359 ISSKOIWMNLAELKIPQSYIVSDRVSKVFNLSKATPRGKFTYDAVYCCNQACHH 418
Db 361 VPSKEIWMNLAELKIPQSYIVSDRVSKVFNLSKATPRGKFTYDAVYCCNQACHH 420
QY 419 RYAEIYVIDVNIINISCTDGYLTMTCTWSPSTIQSLVSGTVMIRINHSLGSLDSPPTCVLPDSVVKPLPP 478
Db 421 RYAEIYVIDVNIINISCTDGYLTMTCTWSPSTIQSLVSGTVMIRINHSLGSLDSPPTCVLPDSVVKPLPP 480
QY 479 PISEPKNCVLRDGFYECVQFIPFLLSGYTMIRINHSLGSLDSPPTCVLPDSVVKPLPP 538
Db 481 PISEPKNCVLRDGFYECVQFIPFLLSGYTMIRINHSLGSLDSPPTCVLPDSVVKPLPP 540
QY 539 SNVKAETITNTGLKIVSWKPKVFPENNLOFOIRYGLSGKEIQWKTHTHEVDAKSKASLV 598
Db 541 SSVKAETITNTGLKIVSWKPKVFPENNLOFOIRYGLSGKEIQWKTHTHEVDAKSKASLV 600
QY 599 SDCAVYVQVRCRRLDGLGWSWSSPAYTLVMDVKVPMRGPEFWRKMDGVTKKERNV 658
Db 601 PDLCAVYAVQVRCKRLDGLGWSWSSPAYTLVMDVKVPMRGPEFWRKMDGVTKKERNV 660
QY 659 TLLMKPLTKNDLSCSVRRYVVKHRTAHNGTWSGDSVGNRTNLTFLWTEPAHTVTVLAVNSL 718
Db 661 TLLMKPLTKNDLSCSVRRYVVKHRTAHNGTWSGDSVGNRTNLTFLWTEPAHTVTVLAVNSL 720
QY 719 GASLVNFLTFSWPMKSKVSAVESLSAYPLSSSCVILSWTSLSPDDYSLLYLVIEWKILNED 778
Db 721 GASLVNFLTFSWPMKSKVSAVESLSAYPLSSSCVILSWTSLSPDDYSLLYLVIEWKILNED 780
QY 779 DGMKWLRIIPSNVKKFYIH 796
Db 781 GEIKWLRIIPSNVKKFYIH 798

RESULT 14
US-08-779-457-2
; Sequence 2, Application US/08779457
; Publication No. US20020193571A1
; GENERAL INFORMATION:
; APPLICANT: Carter, Paul J.
; APPLICANT: Chiang, Nancy Y.
; APPLICANT: Kyung, Jin Kim
; APPLICANT: Matthews, William
; APPLICANT: Rodriguez, Maria L.
; TITLE OF INVENTION: WSX RECEPTOR AGONIST ANTIBODIES
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,457
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/667197
; FILING DATE: 06/20/96
```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/585005
; FILING DATE: 01/08/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Lee, Wendy M.
; REGISTRATION NUMBER: 40,378
; REFERENCE/DOCKET NUMBER: P0986P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1994
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1165 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-779-457-2

Query Match 77.3%; Score 3340; DB 8; Length 1165;
Best Local Similarity 76.2%; Pred. No. 1e-253;
Matches 608; Conservative 73; Mismatches 115; Indels 2; Gaps 2;

QY 1 MMCQFYVLLHWEFLYVIAALNLAIPSPKPKFCGPPNTTDDSFSPAGAPNNASAL 60
Db 1 MICQFVCVLLHWEFLYVITAFNLSPITPWRFKLSMPNPNSTYDYFLLPAGLSKNTS 60
QY 61 KGASEAIVEAKFNSSGIYVPELSKTVFHCCEGNEQOQCSALTNDTEGKTLASVVKASV 120
Db 61 NGHETAVPEKFNSSGTHFSNLSKTTFFCCFSEQDRNCSCADNIEGKTFVTVNSLV 120
QY 121 ROLGVNWDIECMWKGDLTLFICHMEPLKPNPKNDKSVHLLYDLPEVDDSDPLPLKDS 180
Db 121 QOIDANNIQCWLKGDLLFCYVESLKNLFRNRYKVVHLLYVLEVEDSFLVPQKGS 180
QY 181 FQTVQCNSLRG-CSECHVPVPRAKLYALLMYLEITSAGVSFQSPILMSLQPLMLVVKPDP 239
Db 181 FQVHCNCSVHECCBCLVPVPTAKLNDTLMLCKITSGGVIQSPILMSVQPINMVKPDP 240
QY 240 LGLHMEVTDGKILKISWDSQTMAPPFLOQVQKYLENS-TIVREAAEIVSATSLLVDSVLP 298
Db 241 LGLHMEITDDGKILKISWSSPPLVPFLOQVQKYLENS-TIVREAAEIVSATSLLVDSVLP 300
QY 299 GSSYEVQVRSKRLDGLGWSWSSPOVFTQDVYPPPKILTSGVSNASPHCIYKXENOI 358
Db 301 GSSYEVQVRSKRLDGLGWSWSSPOVFTQDVYPPPKILTSGVSNASPHCIYKXENOI 360
QY 359 ISSKOIWMNLAELKIPQSYIVSDRVSKVFNLSKATPRGKFTYDAVYCCNQACHH 418
Db 361 VPSKEIWMNLAELKIPQSYIVSDRVSKVFNLSKATPRGKFTYDAVYCCNQACHH 420
QY 419 RYAEIYVIDVNIINISCTDGYLTMTCTWSPSTIQSLVSGTVMIRINHSLGSLDSPPTCVLPDSVVKPLPP 478
Db 421 RYAEIYVIDVNIINISCTDGYLTMTCTWSPSTIQSLVSGTVMIRINHSLGSLDSPPTCVLPDSVVKPLPP 480
QY 479 PISEPKNCVLRDGFYECVQFIPFLLSGYTMIRINHSLGSLDSPPTCVLPDSVVKPLPP 538
Db 481 PISEPKNCVLRDGFYECVQFIPFLLSGYTMIRINHSLGSLDSPPTCVLPDSVVKPLPP 540
QY 539 SNVKAETITNTGLKIVSWKPKVFPENNLOFOIRYGLSGKEIQWKTHTHEVDAKSKASLV 598
Db 541 SSVKAETITNTGLKIVSWKPKVFPENNLOFOIRYGLSGKEIQWKTHTHEVDAKSKASLV 600
QY 599 SDCAVYVQVRCRRLDGLGWSWSSPAYTLVMDVKVPMRGPEFWRKMDGVTKKERNV 658
Db 601 PDLCAVYAVQVRCKRLDGLGWSWSSPAYTLVMDVKVPMRGPEFWRKMDGVTKKERNV 660
QY 659 TLLMKPLTKNDLSCSVRRYVVKHRTAHNGTWSGDSVGNRTNLTFLWTEPAHTVTVLAVNSL 718
Db 661 TLLMKPLTKNDLSCSVRRYVVKHRTAHNGTWSGDSVGNRTNLTFLWTEPAHTVTVLAVNSL 720
QY 719 GASLVNFLTFSWPMKSKVSAVESLSAYPLSSSCVILSWTSLSPDDYSLLYLVIEWKILNED 778
Db 721 GASLVNFLTFSWPMKSKVSAVESLSAYPLSSSCVILSWTSLSPDDYSLLYLVIEWKILNED 780
```

QY 779 DGMKWLRIIPSNVKKFYIH 796  
Db 781 GEIKWLIRISSSVKKYIIH 798

RESULT 15

US-09-894-039-1  
; Sequence 1, Application US/09894039  
; Publication No. US20020012949A1  
; GENERAL INFORMATION:  
; APPLICANT: Laura R. Carpenter  
; APPLICANT: Neil Stahl  
; APPLICANT: George D. Yancopoulos  
; TITLE OF INVENTION: ASSAY SYSTEMS FOR LEPTIN-ENHANCING  
; TITLE OF INVENTION: AGENTS  
; FILE REFERENCE: REG 580-AZ  
; CURRENT APPLICATION NUMBER: US/09/894,039  
; PRIOR FILING DATE: 2001-06-28  
; PRIOR APPLICATION NUMBER: 09/093,814  
; PRIOR FILING DATE: 1998-06-09  
; PRIOR APPLICATION NUMBER: 60/049,108  
; PRIOR FILING DATE: 1997-06-09  
; NUMBER OF SEQ ID NOS: 3  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 1165  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-09-894-039-1

Query Match 77.3%; Score 3340; DB 9; Length 1165;  
Best Local Similarity 76.2%; Pred. No. 1e-253;  
Matches 608; Conservative 73; Mismatches 115; Indels 2; Gaps 2;  
QY 1 MMCOQFVYVLLHWEFLYVIAALNLAYPISPWFKLFKCGPPNTTDDSFSLSPAGAPNNASAL 60  
Db 1 MICQKFCVLLHWEFLYVITAFNLSPYITPWRFKLSCMPNSTDYDFLLPAGLSKNTSNS 60  
QY 61 KGASEAIVEAKNNSGIYVPELSKTVPHCCFQNGQONCSALTDTNTEGKTLASVVKASVP 120  
Db 61 NGHJETAVEPKFNSSGTHFSPNLSKTTFFHCCFSEQDRNCSLCADNIEGKTFVSTVNSLVP 120  
QY 121 ROLGVNWDIECMWKGDLTFLICHEPBLPKNPKFNKYSKVHLLYDLPEVIDDSDPLPLKDS 180  
Db 121 QQIDANWNIQQWLKGBDLKLFICVESLFRNLFRNTYKVKHLLYVLEVLDSPLVPQKGS 180  
QY 181 FQTQCNCSLRG-CECHVPVPRAKNYALLMYLEITSAGVSFQSPMLSLQPMLVVKPDP 239  
Db 181 FQWVHCNCSVHECCCLVPVPTAKLNDTLMLCLKITSGGVIFQSPMLSVQPINMVKPDP 240  
QY 240 LGHMEVTDGNNLKISWDSQTMAPPPLQOVKYLENS-TIVREAABIVSATSLLVDSVLP 298  
Db 241 LGHMEITDDGNLKISWSPPLVPFPLOQVQKYSNSTTIVREADKIVSATSLLVDSILP 300  
QY 299 GSSYEVQVPSKRLDGSVMSDSSPOVFTQDVVYPPKILTSVGSNASHFCIYKNNQI 358  
Db 301 GSSYEVQVPSKRLDGSVMSDSSPTPRVFTQDVVYPPKILTSVGSNASHFCIYKNNKI 360  
QY 359 ISSKQIVWNRNLAEKIPETQYSIVSDRSVSKVTFPSNLKATPRGKFTYDAVYCCNEQACHH 418  
Db 361 VPSKEIVWNRNLAEKIPQSQYQDVVSVKVTFFNLNETKPRGKFTYDAVYCCNEHECHH 420  
QY 419 RVAELVVIDNINISCEGTGYTKMTCRWSPSTIQSLVSTVQLRVHRSLYCPDPSPIH 478  
Db 421 RVAELVVIDNINISCEGTGYTKMTCRWSTSTIQSLAESTLQLRVHRSLSLYCSDIPSIIH 480  
QY 479 PTSEPKNCVLRDGFYECVQFPIFLLSGYTMIRINHSIGSLDSPTCVLPDSVVKPLPP 538  
Db 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMIRINHSIGSLDSPTCVLPDSVVKPLPP 540  
QY 539 SNVKAETVNTGLIKVSWKPVFPENNLOFQIRYGLSGKEIQWKTHEVFDKASKSALLV 598

Db 541 SSVKAEITINIGLLKISWEKPVFPENNLOFQIRYGLSGKEVQMKYEVYDAKSXSLSLV 600  
QY 599 SFLCAVYVQVRCRLDGLGYWSNWSPAYTLVMDVKVPMRGPEFWRKMDGVTTKERNV 658  
Db 601 PDLCAVYAVQVRCRLDGLGYWSNWSPAYTVVMDIKVPMRGPEFWRRIINGDTMKKEKNV 660  
QY 659 TLLWKPLTKNDSLCVRRYVVKHRTAHNGTWSSEYVGNRTNLTFLWTEPAHTVTVLAVNSL 718  
Db 661 TLLWKPLMKNDSLCVQRYVINHTSCNGTWSSEYVGNHTKFTFLWTEQAHTVTVLAINSI 720  
QY 719 GASLVNFMNLTFSWPMKVSAVESLSAYPLSSCVILSWTLSPDDYSLLYLVIEWKILNED 778  
Db 721 GASVANFNLTFSPMKSQVNIQVSLGAYPLNSSCVIVSWILSPSDYKLMYFIIEWKNLNE 780  
QY 779 DGMKWLRIIPSNVKKFYIH 796  
Db 781 GEIKWLIRISSSVKKYIIH 798

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